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* [Fix Receiver Email](https://www.iloveapi.com/docs/api-reference#fix-signer-email)
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**REST API reference**

Introduction

The iLovePDF API is organized around the [REST](https://en.wikipedia.org/wiki/Representational_State_Transfer) standard, having a predictable resource-oriented URLs through [HTTP methods](https://en.wikipedia.org/wiki/Hypertext_Transfer_Protocol#Request_methods) where obtain the information in [JSON](http://www.json.org/) format.

We support [cross-origin resource sharing](https://en.wikipedia.org/wiki/Cross-origin_resource_sharing), allowing you to interact securely with our API from a client-side. Although you should never expose your secret API key in the client-side code.

To start developing, [register to iLovePDF Developers](https://www.iloveapi.com/signup) and you will be provided with a free account. This account comes with a free 250 files limit to process each month. However, if you need more, you can acquire more files from our [Pricing page](https://www.iloveapi.com/pricing).

Before we begin, we recommend that you import our Postman Collection & Environment from the table on the right and use it as a playground. If you are logged in, the last active project credentials will automatically appear inside the environment. Remember to select the environment before calling any request from the collection.

| PDF & Signature Libraries | |
| --- | --- |
| PHP | [See on GitHub](https://github.com/ilovepdf/ilovepdf-php) |
| .Net | [See on GitHub](https://github.com/ilovepdf/ilovepdf-net) |
| Ruby | [See on GitHub](https://github.com/ilovepdf/ilovepdf-ruby) |
| Node.js | [See on GitHub](https://github.com/ilovepdf/ilovepdf-nodejs) |
| Postman |  |

| Image Libraries | |
| --- | --- |
| PHP | [See on GitHub](https://github.com/ilovepdf/iloveimg-php) |
| Postman |  |

Quick Start

This Reference is for developers who wish to create their own API library or for those who don't find their preferred library in our library compatibility list. The quickest way to start using our API is to:

* [Register as a developer](https://www.iloveapi.com/signup).
* Get a Project ID and its related Secret Key from the [API Keys](https://www.iloveapi.com/user/projects) section of your console.
* Download one of our API Libraries.
* Try out our demos in the API Library.
* Lastly, remember to read this documentation!

If you have any comments or suggestions for this documentation or the API, please don’t hesitate to [contact us](https://www.iloveapi.com/contact).

Authentication

We are using a very simple but effective Authentication method: [JWT](https://jwt.io/), JSON Web Tokens. It consists of sending a Bearer Header in every request with a signed token by your Secret Key provided in your iLovePDF API Developer Account. Your Secret Key may never be exposed, but the signed token can be exposed and you must send it in every header request parameter Authorization: Bearer {signed\_token}. Take into account that all signed tokens expire after 2 hours. All our API Libraries manage the authentication automatically. You only need to set your Private Key and your Public Key in the API Library.

If you are developing your own library/requests, there are two methods for getting the signed token. One method is by self signing it (recommended for server side code) and the other is by requesting it to our Authentication server (recommended for client side code).

Self-signed token

You must use your secret and public key pair to generate the signed token to send in to the Authorization: Bearer {signed\_token} header of every request. You can find the JWT libraries directly on the [JWT](https://jwt.io/) official website. Remember: The claims *exp*, *nbf* and *iat* must be in UTC timezone.

Request signed token from our authentication server

When you send a request to the /auth resource, you will receive the token to use in your Authorization: Bearer {signed\_token} that you'll send in every request (/start, /upload, /process, /download). We strongly recommend that you activate filters by domain and IP if you need to request the token from our /auth server. This way, only the requests made from the domains you set will be accepted. Remember that the token has an expiration date and must be requested again.

**Authenticate**

https://api.ilovepdf.com/v1/auth

**public\_key**

string

Project public key that you can find in [admin panel](https://www.iloveapi.com/user/projects).

Response

{

   "token": "eyJ0eXAiOiJKV1Q..."

}

PDF & Image

Request workflow

The PDF and Image processing workflow with iLoveAPI is very simple and consists of 4 basic request instructions: [Start task](https://www.iloveapi.com/docs/api-reference#start), [Upload files](https://www.iloveapi.com/docs/api-reference#upload), [Process files](https://www.iloveapi.com/docs/api-reference#process) and [Download files](https://www.iloveapi.com/docs/api-reference#download). Once the API has executed these four steps, your PDF and Image files will have been processed with your desired tool and downloaded anywhere you like.

Below you will see a complete reference to these 4 requests and the parameters for each step.

Start

Retrieve the information about which server will be your assigned server and which Task ID to use. The request must contain the tool you want to access.

**Get Server & Task ID**

https://api.ilovepdf.com/v1/start/{tool}

**tool**

string

PDF tools: *compress*, *extract*, *htmlpdf*, *imagepdf*, *merge*, *officepdf*, *pagenumber*, *pdfa*, *pdfjpg*, *pdfocr*, *protect*, *repair*, *rotate*, *split*, *unlock*, *validatepdfa*, *watermark*.

Image tools: *compressimage*, *cropimage*, *convertimage*, *removebackgroundimage*, *repairimage*, *resizeimage*, *rotateimage*, *upscaleimage*, *watermarkimage*.

Response

{

   "server": "api11.ilovepdf.com",

   "task": "g27d4mrsg3ztmnzAgm5d..."

   "remaining\_credits": 1234

}

Upload

This is the second step of the Task. Here is where you upload your files for a given task. The files will be uploaded and stored in the server until the process order is sent (Step 3 of a Task).

It accepts chunk file upload. When uploading a chunk file, if the last chunk is sent and some of the previous chunks are missing it will throw an error. Finally, files can be uploaded either from local or web sources.

**Upload file**

https://{server}/v1/upload

Source file is local

 If the uploaded source file is local, the data must be sent using form-data request type.

**task**

string

Task ID where the files must be uploaded.

**file**

File

File to be uploaded.

**chunk**

integer

If it is a chunk upload this number indicates the number of chunks being uploaded. Always send the chunks in order. First chunk must be 0.

**chunks**

integer

If it is a chunk upload this number indicates the total number of chunks for this file.

Source file is from the cloud

**task**

string

Task ID where the files must be uploaded.

**cloud\_file**

string

Public URL of the file.

**Remove an already uploaded file from server**

https://{server}/v1/upload/{task}/{server\_filename}

Response

{

   "server\_filename": "cd29201ebe...5257c95d9843.pdf"

}

Process

Once the files are uploaded for the Task, this resource initiates the processing of all files. In the request, you must specify which files you want to process from the uploaded ones in Step 2 (Upload). This means that you can request to process fewer files than the uploaded ones. If some files have an error while processing, you can check their status in the table of File Status Types. If the error is WrongPassword the response will throw a 400 error. However, the [Task Status](https://www.iloveapi.com/docs/api-reference#task) would be kept as TaskWaiting so you can try to resend the request to process files using the required passwords.

When sending the request, you need to wait until the process is finished. However, if you don't want to wait, you can use the *webhook* parameter.

**Process files**

https://{server}/v1/process

**task**

string

Task ID to be processed.

**tool**

string

Accepted values for PDF tools: *merge*, *split*, *compress*,*pdfocr*, *pdfjpg*, *imagepdf*, *unlock*, *pagenumber*, *watermark*, *officepdf*, *repair*, *rotate*, *protect*, *pdfa*, *validatepdfa*, *htmlpdf*, *extract*.  
  
Image tools: *resizeimage*, *cropimage*, *compressimage*, *upscaleimage*, *removebackgroundimage*, *convertimage*, *watermarkimage*, *repairimage*, *rotateimage*

**files**

array

Files to process. The order of the array will be the order that files will be processed. The files has the following attributes:

**server\_filename**

string

Server file name.

**filename**

string

Original filename of the file to process.

**rotate**

integer

Rotation to apply before process. Accepted values: *0*, *90*, *180*, *270*.

*0*

**password**

string

Password to open the file in case of having one.

**meta**

object<{[key: string]: string}>

Optional PDF metadata information which can be inserted or modified.

**Title**

string

The title of the document.

**Author**

string

The name of the person who created the document.

**Subject**

string

The subject of the document.

**Keywords**

string

Keywords associated with the document.

**Creator**

string

If the document was converted to PDF from another format, the name of the application that created the original document from which it was converted.

**Producer**

string

If the document was converted to PDF from another format, the name of the application that converted it to PDF.

**CreationDate**

string

The date and time the document was created, in human-readable form.

**ModDate**

string

The date and time the document was most recently modified, in human-readable form.

**Trapped**

string

A name object indicating whether the document has been modified to include trapping information. Values *true*, *false* or *unknown*.

**ignore\_errors**

boolean

Force process although some of the files are damaged or throw an error. If damaged/error files are equal to total files to process, this value does not take effect. On successful response, all files with errors will be listed as warnings. Values: *true*, *false*.

*true*

**ignore\_password**

boolean

Force process although some of the files require a password. If files that require a password are equal to total files to process, this value does not take effect. Values: *true*, *false*.

*false*

**output\_filename**

string

*{date}*=current date, *{n}*=file number, *{filename}*=original filename, *{tool}*=the current processing action. Example: file\_{n}\_{date}.

**packaged\_filename**

string

If there are more than one output files, they will be compressed into a ZIP file. Specify the filename of the compressed file. *{date}*=current date, *{n}*=file number, *{filename}*=original filename, *{tool}*=the current processing action. Example: file\_{n}\_{date}.

*output*

**file\_encryption\_key**

string

If specified, all previously uploaded files for the task will be uploaded encrypted. The key will be used to decrypt the files before processing and re-encrypt them after processing. Only key sizes of 16, 24 or 32 characters are supported.

**try\_pdf\_repair**

boolean

When a PDF file fails to be processed, we try to repair it automatically.

*true*

**try\_image\_repair**

boolean

When an image file fails to be processed, we try to repair it automatically.

*true*

**custom\_int**

integer

Use this parameter to store integers as you wish. You can use it to filter your tasks in the GET /task resource.

**custom\_string**

string

Use this parameter to store integers as you wish. You can use it to filter your tasks in the GET /task resource.

**webhook**

string

Callback URL. If you don't want to maintain the connection open until the task processing is finished, send webhook equal and a valid URL. The API will close the connection immediately and will POST all the /task resource information to the URL provided. Optionally this parameter can be equal to *empty string*. When is equal to *empty string*, the behaviour will be the same but no callback will be sent, this is useful if you don't want to wait the process to end or receive callbacks giving you the freedom of send periodic GET calls to /task/{task} to know the status of that task and if it has been completed.

 For security reasons, you need to register the webhook endpoint in your [dashboard](https://www.iloveapi.com/user/webhooks).

Merge PDF extra parameters

Merge PDF has no extra parameters

Split extra parameters

**split\_mode**

string

Accepted values:

* *ranges*: define different ranges of pages, *{ranges}* parameter is required.
* *fixed\_range*: define a fixed range of pages to split the PDF., *{fixed\_range}* parameter is required.
* *remove\_pages*: remove pages from a PDF, *{remove\_pages}* parameter is required.
* *filesize*: split pdf in multiples pdf files with a maximum filesize per page range.

*ranges*

**ranges**

string

Page ranges to split the files. Every range will be saved as a different PDF file.

Example format: *1,5,10-14*

**fixed\_range**

integer

Page ranges to split the files. Every range will be saved as a different PDF file.

*1*

**remove\_pages**

string

Pages to remove from a PDF. Accepted format: *1,4,8-12,16*.

**merge\_after**

boolean

Merge all ranges after being split. This param takes effect only when *{mode}* is *range*.

*false*

Compress extra parameters

**compression\_level**

string

Compression level. Accepted values: *extreme*=Extreme compression, *recommended*=Recommended compression, *low*=Low compression.

*recommended*

PDF OCR extra parameters

**ocr\_languages**

array

OCR languages to apply. Accepted values: *eng*, *afr*, *amh*, *ara*, *asm*, *aze*, *aze\_cyrl*, *bel*, *ben*, *bod*, *bos*, *bre*, *bul*, *cat*, *ceb*, *ces*, *chi\_sim*, *chi\_tra*, *chr*, *cos*, *cym*, *dan*, *deu*, *deu\_latf*, *dzo*, *ell*, *enm*, *epo*, *equ*, *est*, *eus*, *fao*, *fas*, *fil*, *fin*, *fra*, *frm*, *fry*, *gla*, *gle*, *glg*, *grc*, *guj*, *hat*, *heb*, *hin*, *hrv*, *hun*, *hye*, *iku*, *ind*, *isl*, *ita*, *ita\_old*, *jav*, *jpn*, *kan*, *kat*, *kat\_old*, *kaz*, *khm*, *kir*, *kmr*, *kor*, *kor\_vert*, *lao*, *lat*, *lav*, *lit*, *ltz*, *mal*, *mar*, *mkd*, *mlt*, *mon*, *mri*, *msa*, *mya*, *nep*, *nld*, *nor*, *oci*, *ori*, *pan*, *pol*, *por*, *pus*, *que*, *ron*, *rus*, *san*, *sin*, *slk*, *slv*, *snd*, *spa*, *spa\_old*, *sqi*, *srp*, *srp\_latn*, *sun*, *swa*, *swe*, *syr*, *tam*, *tat*, *tel*, *tgk*, *tgl*, *tha*, *tir*, *ton*, *tur*, *uig*, *ukr*, *urd*, *uzb*, *uzb\_cyrl*, *vie*, *yid*, *yor*

*eng*

PDF to JPG extra parameters

**pdfjpg\_mode**

string

Accepted values: *pages*=Convert every PDF page to a JPG image, *extract*=extract all PDF's embedded images to separate JPG images.

*pages*

Image to PDF extra parameters

**orientation**

string

Accepted values: *portrait*, *landscape*.

*portrait*

**margin**

integer

Define a margin in pixels for the image in the output PDF.

*0*

**pagesize**

string

Page size of the output PDF.

* *fit*: PDF page is the same size of image.
* *A4*
* *letter*

*fit*

**merge\_after**

boolean

Serve all converted images in an unique PDF if true. If false, serve every image into a separate PDF.

*true*

Unlock PDF extra parameters

Unlock PDF has no extra parameters

Page numbers extra parameters

**facing\_pages**

boolean

Define it to *true* if the PDF is in facing page mode.

*false*

**first\_cover**

boolean

If the first page is a cover page, it will not be numbered.

*false*

**pages**

string

Pages to be numbered. Accepted formats:

* *all*
* *3-end*
* *1,3,4-9*
* *-2-end*
* *3-234*

*all*

**starting\_number**

integer

Start page numbering with this number.

*1*

**vertical\_position**

string

Define if page number will be at top or bottom. Accepted values: *bottom*, *top*.

*bottom*

**horizontal\_position**

string

Allows you to position the number on the left, in the center or on the right of the page. However, if the parameter facing\_pages is set to true, facing pages will have their page numbers positioned symmetrically, on the left and the right.Accepted values: *left*, *center*, *right*.

*center*

**vertical\_position\_adjustment**

integer

Adjust the number of pixels displaced from the standard *vertical\_position*. It accepts positive and negative values.

**horizontal\_position\_adjustment**

integer

Adjust the number of pixels displaced from the standard *horizontal\_position*. It accepts positive and negative values.

**font\_family**

string

Accepted values: *Arial*, *Arial Unicode MS*, *Verdana*, *Courier*, *Times New Roman*, *Comic Sans MS*, *WenQuanYi Zen Hei*, *Lohit Marathi*.

*Arial Unicode MS*

**font\_size**

integer

*14*

**font\_color**

string

Hexadecimal color.

*#000000*

**text**

string

To define text in addition to the number, use *{n}* for current page number and *{p}* for total number of pages for the file. Example Page *{n}* of *{p}*. If null only the page number will be placed.

*{n}*

Watermark extra parameters

**mode**

string

Accepted values: *text*, *image*.

*text*

**text**

string

**if mode is text**

Text to be stamped. If *mode* is *image* this value does not take effect.

**image**

string

**if mode is image**

The image to stamp if mode is *image*. The stamped image must be uploaded in the /upload resource. This *image* parameter must refer to the *server\_filename* (JPG or PNG) to stamp.

**pages**

string

Pages to be stamped. Accepted formats:

* *all*
* *3-end*
* *1,3,4-9*
* *-2-end*
* *3-234*

*all*

**vertical\_position**

string

Accepted values: *bottom*, *top*, *middle*.

*middle*

**horizontal\_position**

string

Accepted values: *left*, *center*, *right*.

*center*

**vertical\_position\_adjustment**

integer

Adjust the amount of offset pixels from the position defined in *vertical\_position*. It accepts positive and negative values.

**horizontal\_position\_adjustment**

integer

Adjust the amount of offset pixels from the position defined in *horizontal\_position*. It accepts positive and negative values.

**mosaic**

boolean

If *true*, this value overrides all position parameters and stamps the image or text 9 times per page.

*false*

**rotation**

integer

Angle of rotation. Accepted integer range: 0-360.

*0*

**font\_family**

string

Accepted values: *Arial*, *Arial Unicode MS*, *Verdana*, *Courier*, *Times New Roman*, *Comic Sans MS*, *WenQuanYi Zen Hei*, *Lohit Marathi*.

*Arial Unicode MS*

**font\_style**

string

Accepted values: *null* (Regular/Normal), *Bold*, *Italic*.

*null*

**font\_size**

integer

*14*

**font\_color**

string

Hexadecimal color.

*#000000*

**transparency**

integer

Percentage of opacity for stamping text or image. Accepted integer range 1-100.

*100*

**layer**

integer

*above*=Place stamp over content, *below*=Place stamp below content.

*above*

Office to PDF extra parameters

Office to PDF has no extra parameters

Repair PDF extra parameters

Repair PDF has no extra parameters

Rotate PDF extra parameters

Rotate PDF has no extra parameters

Protect extra parameters

**password**

string

Password with which the PDF file will be encrypted.

PDF to PDF/A extra parameters

**conformance**

string

Set the PDF/A conformance level. Accepted values: *pdfa-1b*, *pdfa-1a*, *pdfa-2b*, *pdfa-2u*, *pdfa-2a*, *pdfa-3b*, *pdfa-3u*, *pdfa-3a*.

*pdfa-2b*

**allow\_downgrade**

boolean

Allows conformance downgrade in case of conversion error.

*true*

Validate PDF/A extra parameters

**conformance**

string

Set the PDF/A conformance level. Accepted values: *pdfa-1b*, *pdfa-1a*, *pdfa-2b*, *pdfa-2u*, *pdfa-2a*, *pdfa-3b*, *pdfa-3u*, *pdfa-3a*.

*pdfa-2b*

**allow\_downgrade**

boolean

Allows conformance downgrade in case of conversion error.

*true*

HTML to PDF extra parameters

HTML to PDF has no extra parameters

Extract text extra parameters

**detailed**

boolean

Includes the following PDF properties separated by a comma: *PageNo, XPos, YPos, Width, FontName, FontSize, Length and Text*

Edit PDF extra parameters

**elements**

array

Elements to be added into the PDF. They can have several properties including the element type.

**type**

string

Type of element to be added. Accepted values: *bottom*, *text*, *image*, *svg*.

**pages**

string

The page where the element will be inserted. Only numbers format is allowed.

**zindex**

number

Depth value to decide elements order in case of overlay.

**dimensions**

object<w: float, h: float>

Size of the element following the format *{ w: 120, h: 200 }*.

**coordinates**

object<x: float, y: float>

Position of the element in X and Y coordinates following the format *{ x: 120, y: 200 }*.

**rotation**

integer

Angle of rotation. Accepted integer range: 0-360.

*0*

**opacity**

integer

Percentage of opacity for stamping element. Accepted integer range 1-100.

*100*

Each element type has its own properties. See the following for Text, Image and SVG:

**text**

type

The chosen element is a text and these are its properties:

**text**

string

Text to be written in the document.

**text\_align**

string

Horizontal text alignment. Accepted values: *left*, *center*, *right*.

*left*

**font\_family**

string

Font type of text. See [Fonts compatibility](https://www.iloveapi.com/docs/api-reference#fonts-compatibility) for complete list.

*Arial Unicode MS*

**font\_size**

integer

Size of text font in pixels.

*14*

**font\_style**

string

Text font styles. Accepted values: *Regular*, *Bold*, *Italic*, *Bold italic*

*Regular*

**font\_color**

string

Text font color. Can be set to *transparent*. Otherwise, the accepted value is hexadecimal.

*#000000*

**letter\_spacing**

integer

Text letter spacing between characters. Accepted values from 0 to infinite.

*0*

**underline\_text**

boolean

Text underline active or inactive. Values can be *true* or *false*.

*false*

**image**

type

The chosen element is an image and these are its properties:

**server\_filename**

string

Upload resource that identifies the image. Accepted file formats: *png*, *jpg*, *jpeg*, *jfif* and *gif*.

**svg**

type

The chosen element is a SVG image type and these are its properties:

**server\_filename**

string

Upload resource that identifies the image. Accepted file formats: *svg*.

Resize Image extra parameters

**resize\_mode**

string

Choose the resize mode. Accepted values:

* *pixels*: the resize will be set using pixels.
* *percentage*: the resize will be set as a percentage of the original image.

*pixels*

**pixels\_width**

integer

**If resize\_mode is pixels**

The width in pixels of the resized image.

**pixels\_height**

integer

**If resize\_mode is pixels**

The height in pixels of the resized image.

**percentage**

integer

**If resize\_mode is percentage**

The percentage value to resize.

**maintain\_ratio**

boolean

If set as true, resize will keep aspect ratio and images will not be distort.

*true*

**no\_enlarge\_if\_smaller**

boolean

Controls if the image can be gigger than the original on resize.

*true*

Crop Image extra parameters

**width**

integer

The width in pixels of the area to crop.

**height**

integer

The height in pixels of the area to crop.

**x**

integer

The horizontal point where start to crop.

*0*

**y**

integer

The vertical point where start to crop.

*0*

Compress Image extra parameters

**compression\_level**

string

Compression level. Accepted values: *extreme*=Extreme compression, *recommended*=Recommended compression, *low*=Low compression.

*recommended*

Upscale image extra parameters

**multiplier**

integer

Upscale multiplier. Accepted values: *2*, *4*.

Background remove image extra parameters

Background remove image has no extra parameters

Convert Image extra parameters

**to**

string

The format to convert to. Accepted values are *jpg*, *png*, *gif*, *gif\_animation* (static or animated) and *heic*. Convert to jpg can be (almost) from any image format. Convert to png and gif can be only from jpg images.

*jpg*

**gif\_time**

integer

**if to is gif\_animated**

Only for gif\_animation, define the seconds per image, in hundredths of a second.

*50*

**gif\_loop**

integer

**if to is gif\_animated**

Set if animation stops at the end or loops forever.

*true*

Watermark Image extra parameters

**elements**

array

An array of elements to stamp. This means you can set multiple elements to stamp.

**type**

string

The type for the element. Accepted values: *image* or *text*.

*text*

**text**

string

**if type is text**

The text to stamp

**image**

string

**if type is image**

The stamp image must be uploaded in the Upload resource. This image parameter must referer to the server\_filename (JPG or PNG).

**gravity**

string

Accepted values: *North*, *NorthEast*, *NorthWest*, *Center*, *CenterEast*, *CenterWest*, *East*, *West*, *South*, *SouthEast*, *SouthWest*.

*Center*

**vertical\_adjustment\_percent**

integer

Adjust how much space must modify the position of the position defined in *gravity*, based on a percent of the base image, it accepts positive and negative values.

*0*

**horizontal\_adjustment\_percent**

integer

Adjust how much space must modify the position of the position defined in *gravity*, based on a percent of the base image, it accepts positive and negative values.

*0*

**rotation**

integer

Angle of rotation. Accepted integer range: 0-360.

*0*

**font\_family**

string

Accepted values: *Arial*, *Arial Unicode MS*, *Verdana*, *Courier*, *Times New Roman*, *Comic Sans MS*, *WenQuanYi Zen Hei*, *Lohit Marathi*.

*0*

**font\_style**

string

Accepted values: *null* (Regular/Normal), *Bold*, *Italic*.

*null*

**font\_size**

integer

*14*

**font\_color**

string

Hexadecimal color.

*#000000*

**transparency**

integer

Percentage of opacity for stamping text or image. Accepted integer range 1-100.

*100*

**mosaic**

boolean

If *true*, this value overrides all position parameters and stamps the image or text 9 times per page.

*false*

Rotate Image extra parameters

Rotate tool has no options, just set *rotation* property in file.

Response

{

   "download\_filename": "output.zip",

   "filesize": 0,

   "output\_filesize": 0,

   "output\_filenumber": 2,

   "output\_extensions": "[\"pdf\"]",

   "timer": "0.028",

   "status": "TaskSuccess"

}

| File status types | |
| --- | --- |
| FileSuccess | This file has been processed successfully. |
| FileWaiting | This file is waiting to be processed. |
| WrongPassword | This file has not been processed because needed a password and was not provided or incorrect. |
| TimeOut | This file has not been processed correctly because it took more than your time limit to process it. |
| ServerFileNotFound | This file has not been processed because has not been found in the server. |
| DamagedFile | This file has not been processed because it was damaged or we were unable to read it. |
| NoImages | This file has not been processed because we couldn't find any images to extract. Maybe there are vectors? |
| OutOfRange | This file has not been processed because some of the ranges do not match the number of pages. |
| NonConformant | PDF file validation has not passed against PDF/A conformance provided. |
| UnknownError | Unknown Error. |

Process

Once the files are uploaded for the Task, this resource initiates the processing of all files. In the request, you must specify which files you want to process from the uploaded ones in Step 2 (Upload). This means that you can request to process fewer files than the uploaded ones. If some files have an error while processing, you can check their status in the table of File Status Types. If the error is WrongPassword the response will throw a 400 error. However, the [Task Status](https://www.iloveapi.com/docs/api-reference#task) would be kept as TaskWaiting so you can try to resend the request to process files using the required passwords.

When sending the request, you need to wait until the process is finished. However, if you don't want to wait, you can use the *webhook* parameter.

**Process files**

https://{server}/v1/process

**task**

string

Task ID to be processed.

**tool**

string

Accepted values: *resizeimage*, *cropimage*, *compressimage*, *convertimage*, *watermarkimage*, *repairimage* and *rotateimage*.

**files**

array

Files to process. The order of the array will be the order that files will be processed. The files has the following attributes:

**server\_filename**

string

Server file name.

**filename**

string

Original filename of the file to process.

**rotate**

integer

Rotation to apply before process. Accepted values: *0*, *90*, *180*, *270*.

*0*

**password**

string

Password to open the file in case of having one.

**ignore\_errors**

boolean

Force process although some of the files are damaged or throw an error. If damaged/error files are equal to total files to process, this value does not take effect. On successful response, all files with errors will be listed as warnings. Values: *true*, *false*.

*true*

**output\_filename**

string

*{date}*=current date, *{n}*=file number, *{filename}*=original filename, *{tool}*=the current processing action. Example: file\_{n}\_{date}.

**packaged\_filename**

string

If there are more than one output files, they will be compressed into a ZIP file. Specify the filename of the compressed file. *{date}*=current date, *{n}*=file number, *{filename}*=original filename, *{tool}*=the current processing action. Example: file\_{n}\_{date}.

*output*

**file\_encryption\_key**

string

If specified, all previously uploaded files for the task will be uploaded encrypted. The key will be used to decrypt the files before processing and re-encrypt them after processing. Only key sizes of 16, 24 or 32 characters are supported.

**try\_image\_repair**

boolean

When an image file fails to be processed, we try to repair it automatically.

*true*

**custom\_int**

integer

Use this parameter to store integers as you wish. You can use it to filter your tasks in the GET /task resource.

**custom\_string**

string

Use this parameter to store integers as you wish. You can use it to filter your tasks in the GET /task resource.

**webhook**

string

Callback URL. If you don't want to maintain the connection open until the task processing is finished, send webhook equal and a valid URL. The API will close the connection immediately and will POST all the /task resource information to the URL provided. Optionally this parameter can be equal to *empty string*. When is equal to *empty string*, the behaviour will be the same but no callback will be sent, this is useful if you don't want to wait the process to end or receive callbacks giving you the freedom of send periodic GET calls to /task/{task} to know the status of that task and if it has been completed.

 For security reasons, you need to register the webhook endpoint in your [dashboard](https://www.iloveapi.com/user/webhooks).

Resize extra parameters

**resize\_mode**

string

Choose the resize mode. Accepted values:

* *pixels*: the resize will be set using pixels.
* *percentage*: the resize will be set as a percentage of the original image.

*pixels*

**pixels\_width**

integer

**If resize\_mode is pixels**

The width in pixels of the resized image.

**pixels\_height**

integer

**If resize\_mode is pixels**

The height in pixels of the resized image.

**percentage**

integer

**If resize\_mode is percentage**

The percentage value to resize.

**maintain\_ratio**

boolean

If set as true, resize will keep aspect ratio and images will not be distort.

*true*

**no\_enlarge\_if\_smaller**

boolean

Controls if the image can be gigger than the original on resize.

*true*

Crop extra parameters

**width**

integer

The width in pixels of the area to crop.

**height**

integer

The height in pixels of the area to crop.

**x**

integer

The horizontal point where start to crop.

*0*

**y**

integer

The vertical point where start to crop.

*0*

Compress extra parameters

**compression\_level**

string

Compression level. Accepted values: *extreme*=Extreme compression, *recommended*=Recommended compression, *low*=Low compression.

*recommended*

Convert extra parameters

**to**

string

The format to convert to. Accepted values are *jpg*, *png*, *gif*, *gif\_animation* (static or animated) and *heic*. Convert to jpg can be (almost) from any image format. Convert to png and gif can be only from jpg images.

*jpg*

**gif\_time**

integer

**if to is gif\_animated**

Only for gif\_animation, define the seconds per image, in hundredths of a second.

*50*

**gif\_loop**

integer

**if to is gif\_animated**

Set if animation stops at the end or loops forever.

*true*

Watermark extra parameters

**elements**

array

An array of elements to stamp. This means you can set multiple elements to stamp.

**type**

string

The type for the element. Accepted values: *image* or *text*.

*text*

**text**

string

**if type is text**

The text to stamp

**image**

string

**if type is image**

The stamp image must be uploaded in the Upload resource. This image parameter must referer to the server\_filename (JPG or PNG).

**gravity**

string

Accepted values: *North*, *NorthEast*, *NorthWest*, *Center*, *CenterEast*, *CenterWest*, *East*, *West*, *South*, *SouthEast*, *SouthWest*.

*Center*

**vertical\_adjustment\_percent**

integer

Adjust how much space must modify the position of the position defined in *gravity*, based on a percent of the base image, it accepts positive and negative values.

*0*

**horizontal\_adjustment\_percent**

integer

Adjust how much space must modify the position of the position defined in *gravity*, based on a percent of the base image, it accepts positive and negative values.

*0*

**rotation**

integer

Angle of rotation. Accepted integer range: 0-360.

*0*

**font\_family**

string

Accepted values: *Arial*, *Arial Unicode MS*, *Verdana*, *Courier*, *Times New Roman*, *Comic Sans MS*, *WenQuanYi Zen Hei*, *Lohit Marathi*.

*0*

**font\_style**

string

Accepted values: *null* (Regular/Normal), *Bold*, *Italic*.

*null*

**font\_size**

integer

*14*

**font\_color**

string

Hexadecimal color.

*#000000*

**transparency**

integer

Percentage of opacity for stamping text or image. Accepted integer range 1-100.

*100*

**mosaic**

boolean

If *true*, this value overrides all position parameters and stamps the image or text 9 times per page.

*false*

Rotate extra parameters

Rotate tool has no options, just set *rotation* property in file.

Repair extra parameters

Repair tool has no options.

Response

{

   "download\_filename": "output.zip",

   "filesize": 0,

   "output\_filesize": 0,

   "output\_filenumber": 2,

   "output\_extensions": "[\"pdf\"]",

   "timer": "0.028",

   "status": "TaskSuccess"

}

| File status types | |
| --- | --- |
| FileSuccess | This file has been processed successfully. |
| FileWaiting | This file is waiting to be processed. |
| WrongPassword | This file has not been processed because needed a password and was not provided or incorrect. |
| TimeOut | This file has not been processed correctly because it took more than your time limit to process it. |
| ServerFileNotFound | This file has not been processed because has not been found in the server. |
| DamagedFile | This file has not been processed because it was damaged or we were unable to read it. |
| NoImages | This file has not been processed because we couldn't find any images to extract. Maybe there are vectors? |
| OutOfRange | This file has not been processed because some of the ranges do not match the number of pages. |
| NonConformant | PDF file validation has not passed against PDF/A conformance provided. |
| UnknownError | Unknown Error. |

Download

Download the output files for the given task. If there is only one output file, it is served directly. If there is more than one file, they are served in a compressed ZIP folder. If there is more than one processed file, there will be multiple output files for every processed file. The ZIP will contain a folder for every processed file.

**Download output files**

https://{server}/v1/download/{task}

Response

// ArrayBuffer

Task

The /task resource gives information about processed tasks and the metadata related of their uploaded and result files.

For security reasons, only can be accessed by server side code providing your *secret\_key* as a parameter.

**List and filter all tasks**

https://api.ilovepdf.com/v1/task

**secret\_key**

string

Your project secret key.

**page**

integer

Results are offered paginated in 50 results per page.

 1

**tool**

string

Filter tasks by tool.

**status**

string

Filter tasks by task status type, for example *TaskSuccess*.

**custom\_int**

integer

Filter tasks by [custom\_int](https://www.iloveapi.com/docs/api-reference" \l "process-custom_int).

All tasks and their related files are deleted after two hours of being processed. However, if you need to delete the task and all related files immediately, you can do so by sending a DELETE request to */task*.

When deleting a task, you'll get the *TaskDeleted* status in the response, but if the previous status was *TaskWaiting* the response will contain a *UploadDeleted*. If called again, it will throw the error *TaskNotFound* in the following requests:

**Delete task**

https://{server}/v1/task/{task}

If you need to apply different tools on the same files, connected task resource will allow you to execute a new task on the files resulting from the previous tool. Using this resource means that you don't need to upload your files again.

The response will contain the new *task* ID and the files as an array of objects where the key is the *server\_filename* and *filename* is the value. You will need this information for the process step.

Once the new connected task is created, you can add, remove files, and work just like another tool.

**Connect task**

https://{server}/v1/task/next

**task**

string

The parent task id.

**tool**

string

The tool for the next task.

| Task status types | |
| --- | --- |
| TaskWaiting | Files for the task have been uploaded but processing order has not been received yet |
| TaskProcessing | The task is currently processing files. |
| TaskSuccess | The task has already been processed successfully. |
| TaskSuccessWithWarnings | The task has already been processed successfully with warnings. |
| TaskError | The task has been processed unsuccessfully. |
| TaskDeleted | The task has already been deleted. |
| TaskNotFound | Task not found. |

Signatures

Create signature request

This endpoint is used to create a signature request

**Create signature request**

https://{server}/v1/signature

 Signature works in a different way than the other tools, it does have an Start and Upload, but not a Process or Download, so, before creating a Signature, the following steps must be done (please consider that all the files must be a PDF\*):

* Call the [Start](https://www.iloveapi.com/docs/api-reference#start) with the tool *sign* (https://api.ilovepdf.com/v1/start/sign).
* [Upload](https://www.iloveapi.com/docs/api-reference#upload) the needed files for that signature.

\* With the exception that you can upload a [brand logo](https://www.iloveapi.com/docs/api-reference#brand-name) file

**task**

string

Use the same task ID obtained when calling the [start](https://www.iloveapi.com/docs/api-reference#start) API call

**files**

array

Files to be signed. The order of the array is the same order as the receivers will see it. *Maximum number allowed is 5*

Each file has the following attributes:

 For each element on this files attribute, one e-Signature credit will be consumed, please check the following [link](https://www.iloveapi.com/docs/api-reference#credits-usage) to see how credit consumption works.

**server\_filename**

string

Server file name. It must be one previously uploaded using the *upload* endpoint.

**filename**

string

Original filename of the file to process.

**brand\_name**

string

Name of your brand.

Displayed in email notifications along with *brand\_logo*

 It is an optional parameter that becomes mandatory when its counterpart parameter [brand\_logo](https://www.iloveapi.com/docs/api-reference" \l "brand-logo) is also present

**brand\_logo**

string

Server filename of the uploaded logo file. See [files](https://www.iloveapi.com/docs/api-reference#create-signature-files).

Displayed in email notifications along with *brand\_name*

 It is an optional parameter that becomes mandatory when its counterpart parameter [brand\_name](https://www.iloveapi.com/docs/api-reference" \l "brand-name) is also present

**signers**

string

Receivers that participate in the signature process. Each signer has the following attributes:

 Maximum allowed signers (regardless of it's role) is *50*

**name**

string

Receiver full name.

**email**

string

Receiver email.

**phone**

string

Signer phone. Leave it empty or do not specify this attribute on the request if you don't want to activate the SMS validation feature. It is only valid for type *signer*

 For every signer with phone, SMS credit will be consumed, please check the following [link](https://www.iloveapi.com/docs/api-reference#credits-usage) to see how credit consumption works.

**files**

array

Files that a receiver of type *signer* needs to sign.

**server\_filename**

string

Server filename of an uploaded PDF file. See [files](https://www.iloveapi.com/docs/api-reference#create-signature-files)

**elements**

array

Definition of the elements in a PDF document.

 The total amount of elements on the request (total) is *1000*

**position**

string

Element position in a page (X, Y). It does have two types of formats:

Gravity positioning which allows you to set the xPositioning and the yPosition, the left value of the string is the "X" position, and the right is for the "Y". For instance *"top middle"*.

X values:

* *left*
* *center*
* *right*

Y values:

* *top*
* *middle*
* *bottom*

Standard positioning: the position is "X -Y", the initial axis on a PDF starts at the top left, therefore, all of the Y position should be equal to 0 or negative. A few examples:

* *"0 -30"*
* *"33.21 0"*
* *"254.98 -700.232"*

 When using *Gravity positioning*, you can also use the additional parameter *horizontal\_position\_adjustment* and *horizontal\_position\_adjustment*

**horizontal\_position\_adjustment**

integer

This parameter only works if the parameter position uses the Gravity positioning

When value is greater than 0, it pushes the element to the right of the PDF.

When selecting *left* on "position", if the value is less than 0 it'll be ignored since this means the element would be outside of the PDF.

When selecting *right* on "position", if the value more than 0 it'll be ignored since this means the element would be outside of the PDF.

*0*

**vertical\_position\_adjustment**

integer

This parameter only works if the parameter position uses the Gravity positioning

When value is greater than 0, it pushes the element to the top of the PDF, since the initial position of the PDF (0 0) is top left.

When selecting *top* on "position", if the value is greater than 0 it'll be ignored since this means the element would be outside of the PDF.

When selecting *bottom* on "position", if the value less than 0 it'll be ignored since this means the element would be outside of the PDF.

*0*

**pages**

string

Page or pages where element will be placed

Must have one of the following formats:

* *1*
* *3-12*
* *3,5,9-12*
* *-1,-2 Note: negative numbers are allowed only on single pages, but it's not allowed on ranges. -1 is the last page, whereas -2 is the second last page and so on.*

**content**

string

This property is required when the element type is either *date* or *text*.

* When the type is *text*, it specifies the text that will appear on the text box.
* When the type is *date*, it specifies the date format.

Allowed formats:

d-m-Y, d/m/Y, d.m.Y, Y-m-d, Y/m/d, Y.m.d, m-d-Y, m/d/Y, m.d.Y

**size**

integer

Element size

It corresponds to the height of the element.

Width will adapt automatically according to its content

**info**

string

This parameter only applies when the element type is *input*. It must be a JSON string where you can define the attributes of that element, an example is:

{"label": "my input label text", "description": "input description"}

**type**

string

*initials* : Signer initials.

*signature* : Signer signature.

*name* : Signer full name.

*date* : Date when the signature is applied.

*text* : Text to stamp above the pdf content.

*input* : The signer must fill the input.

*signature*

**type**

string

*signer* : The signer is a receiver type that can reject or sign a document.

*validator* : The validator is a receiver type that has ability to validate a document. This receiver type is commonly used to either validate the content of a document or the signing process once it is completed. The validator can validate or reject a document.

*viewer* : The viewer (also called witness in the rest of the document) is a receiver type that receives a copy of the original document and the completely signed one as well. Use this type if someone must only receive and view the document but they don't need to take any action on it.

*signer*

**access\_code**

string

If provided, all receivers will have to insert an access code. Otherwise the receiver will not be able to access the document

**force\_signature\_type**

string

Use this field if you want to force this a receiver of type *signer* to use a specific signature format.

*all* : The signer can choose the preferred signature adoption.

*text* : The signer must sign with a pre-defined font.

*sign* : The signer must sign drawing a signature.

*image* : The signer must sign by uploading a signature.

*all*

**language**

string

Receivers will receive emails in the provided language. Accepted values: *en-US*, *es*, *fr*, *it*, *ca*, *zh-cn*, *zh-tw*, *ar*, *ru*, *de*, *ja*, *pt*, *bg*, *ko*, *nl*, *el*, *hi*, *id*, *ms*, *pl*, *sv*, *th*, *tr*, *uk*, *vi*, *en-US*, *es*, *fr*, *it*, *ca*, *zh-cn*, *zh-tw*, *ar*, *ru*, *de*, *ja*, *pt*, *bg*, *ko*, *nl*, *el*, *hi*, *id*, *ms*, *pl*, *sv*, *th*, *tr*, *uk*, *vi*, *zh-Hans*, *zh-Hant*

*en*

**lock\_order**

boolean

*false* = allows receivers of *signer* type to sign in parallel.

*true* = receivers of *signer* type must sign sequentially in order.

*false*

**message\_signer**

string

Use this if you want to change the body of the initial email sent to the receivers.

**subject\_signer**

string

Use this if you want to change the subject of the initial email sent to the receivers.

**uuid\_visible**

boolean

It is highly recommend to enable this, otherwise it lowers the signatures validity.

*false* = uuid is not shown at the bottom of each signature.

*true* = uuid is shown at the bottom of each signature element.

*true*

**expiration\_days**

integer

Days until the signature request will expire. (Value must be between *1* and *130*)

*120*

**signer\_reminders**

boolean

*false* = No email reminders will be sent to any receivers.

*true* = Email reminders are sent periodically to receivers.

See also [signer\_reminder\_days\_cycle](https://www.iloveapi.com/docs/api-reference" \l "create-signature-signer-reminder-days-cycle).

*true*

**signer\_reminder\_days\_cycle**

integer

It is the time period that will wait between each reminder.

See also [signer\_reminders](https://www.iloveapi.com/docs/api-reference" \l "create-signature-signer_reminders).

*1*

**verify\_enabled**

boolean

*false* = No QR code is added on the audit trail.

*true* = It adds a QR code on the audit trail that leads you to the original documents and signed documents where you are free to download them

*true*

Response

{

   "about\_to\_expire\_reminder": false,

   "completed\_on": null,

   "created": "2021-10-18 14:03:43",

   "disable\_notifications": null,

   "email": "email@email.com",

   "expires": "2022-02-15 15:00:00",

   "language": "en",

   "lock\_order": false,

   "mode": "multiple",

   "name": "Guillem",

   "notes": null,

   "signer\_reminder\_days\_cycle": 2,

   "signer\_reminders": true,

   "subject\_cc": null,

   "subject\_signer": null,

   "timezone": null,

   "token\_requester": "15928374asdf",

   "uuid": "18B06FDC-8643-447C-BAFB-9D3F8CA421B6",

   "uuid\_visible": true,

   "verify\_enabled": true,

   "expired": false,

   "expiring": false,

   "signers": [

      {

           "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

           "name": "name",

           "email": "emailsigner@email.com",

           "phone": null,

           "type": "signer",

           "token\_requester": "1234asdf",

           "status": "waiting",

           "access\_code": false,

           "phone\_access\_code": false,

           "force\_signature\_type": "all",

           "notes": null

      }

  ],

   "files": [

      {

           "filename": "sample.pdf",

           "pages": 2,

           "filesize": 22698

      }

  ],

   "certified": true,

   "status": "draft"

}

List Signatures

List all created signature requests

**List Signatures**

https://api.ilovepdf.com/v1/signature/list?page=0&per-page=100

**page**

integer

Lookup page

*0*

**per-page**

integer

Paginator size

Accepted values are in the range *[1, 100]*

*20*

Response

[

  {

       "completed\_on": null,

       "created": "2021-10-18 14:03:43",

       "email": "email@email.com",

       "expires": "2022-02-15 15:00:00",

       "language": "en",

       "mode": "multiple",

       "name": "name",

       "notes": null,

       "signer\_reminder\_days\_cycle": 2,

       "subject\_cc": null,

       "subject\_signer": null,

       "token\_requester": "token-requester",

       "uuid": "18B06FDC-8643-447C-BAFB-9D3F8CA421B6",

       "expiring": false,

       "expired": false,

       "files": [

          {

               "filename": "sample.pdf",

               "pages": 2,

               "filesize": 22698

          }

      ],

       "signers": [

          {

               "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

               "name": "name",

               "email": "email@email.com",

               "phone": null,

               "type": "signer",

               "token\_requester": "token-signer-requester",

               "status": "waiting",

               "access\_code": false,

               "phone\_access\_code": false,

               "force\_signature\_type": "all",

               "notes": null

          }

      ],

       "status": "draft",

       "certified": true,

       "verify\_enabled": true,

       "lock\_order": false,

       "signer\_reminders": true,

       "about\_to\_expire\_reminder": true,

       "uuid\_visible": true

  }

]

Get Signature status

**Get Signature status**

https://api.ilovepdf.com/v1/signature/requesterview/<token\_requester>

Response attributes

|  |  |
| --- | --- |
| completed\_on | The date when this signature request was successfully signed by all of the signers. The format is *YYYY-mm-dd MM-HH-SS*. By default, it is formatted in the timezone that it is in your user panel |
| created | The date when this signature request was created. The format is *YYYY-mm-dd MM-HH-SS*. By default, it is formatted in the timezone that it is in your user panel |
| email | Email from which the signature request was sent. It should match your user's account. |
| expires | The date when this signature request is going to expire. The format is *YYYY-mm-dd MM-HH-SS*. By default, it is formatted in the timezone that it is in your user panel |
| language | The language from which the request was sent |
| mode | * *multiple*: Default and only available mode in the API. A signature request is created by a requester and sends it to one or more receivers.    The request creator can be also a receiver   * *single*: It is the type of signature where the creator is the only one signing. No other receiver participates in the process.   It corresponds to the Only me signature mode on the website.  The *create\_signature* endpoint does not allow you to create this kind of signature process. |
| name | Signature request creator's name. It should match your user's account. |
| notes | It contains the reasons why a signature was declined by a receiver |
| signer\_reminder\_days\_cycle | The number of days between each email remainder. |
| subject\_signer | Custom subject of the initial email sent to each receiver. |
| message\_signer | Custom body message of the initial email sent to each receiver. |
| token\_requester | It is the internal identifier of the signature. You have to use it in subsequent requests to perform actions on an already created signature request.  We encourage not to share this ID outside from your systems of your company |
| uuid | This is a public identifier of the signature. |
| expiring | If true, it means that it is going to expire in the next 24 hours. |
| expired | If true, the request has already expired. |
| files | An array of the files used on that signature. |
| signers | An array of the receivers of the signature request. |
| status | It can be one of the following:   * *draft*: Signature request was created and is being built in order to send the emails to the receivers. * *sent*: All emails were sent to all of the receivers of the signature. * *completed*: Every receiver has finished the process and no further actions are needed. * *declined*: Either a *signer* or a *validator* rejected the signature request. * *expired*: The signature has expired. * *void*: The requester canceled the signature request process before it was completed. * *deleted*: The signature request is completed but it was deleted afterwards. |
| certified | It is true if the request is a Digital Signature.   All requests created through the API are Digital Signatures |
| verify\_enabled | *false* = No QR code is added on the audit trail.  *true* = It adds a QR code on the audit trail from where you can visualize the documents and dowload them (both the original and signed). |
| lock\_order | *false* = allows signers to sign in any order at any time.  *true* = if set to true, for a signer to be able to sign, it is necessary that the one that is before them sign first. Until then, it must wait. |
| signer\_reminders | *false* = No email reminders will be sent to any receivers.  *true* = Email reminders are sent periodically to the receivers. |
| uuid\_visible | *false* = UUID is not shown at the bottom of each signature element.  *true* = UUID is shown at the bottom of each signature element. |

Response

{

   "completed\_on": null,

   "created": "2021-10-18 14:03:43",

   "email": "email@email.com",

   "expires": "2022-02-15 15:00:00",

   "language": "en",

   "mode": "multiple",

   "name": "name",

   "notes": null,

   "signer\_reminder\_days\_cycle": 2,

   "subject\_signer": null,

   "message\_signer": null,

   "token\_requester": "token-requester",

   "uuid": "18B06FDC-8643-447C-BAFB-9D3F8CA421B6",

   "expiring": false,

   "expired": false,

   "files": [

      {

           "filename": "sample.pdf",

           "pages": 2,

           "filesize": 22698

      }

  ],

   "signers": [

      {

           "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

           "name": "name",

           "email": "email@email.com",

           "phone": null,

           "type": "signer",

           "token\_requester": "token-signer-requester",

           "status": "waiting",

           "access\_code": false,

           "phone\_access\_code": false,

           "force\_signature\_type": "all",

           "notes": null

      }

  ],

   "status": "draft",

   "certified": true,

   "verify\_enabled": true,

   "lock\_order": false,

   "signer\_reminders": true,

   "about\_to\_expire\_reminder": true,

   "uuid\_visible": true

}

Get Receiver info

**Get Receiver info**

https://api.ilovepdf.com/v1/signature/receiver/info/<receiver\_token\_requester>

Response attributes

|  |  |
| --- | --- |
| uuid | This is a public identifier of the signature. |
| name | Name of the receiver. |
| email | Email of the receiver. |
| phone | Phone of the receiver |
| type | * *signer*: The signer is a receiver type that can reject or sign a document. * *validator*: The validator is a receiver type that has ability to validate a document. This receiver type is commonly used to either validate the content of a document or the signing process once it is completed. The validator can validate or reject a document. * *witness*: The witness is a receiver type that receives a copy of the original document and the completely signed one as well. This type is used if someone must only receive and view the document but they don't need to take any action on it. |
| token\_requester | It is the internal identifier of the receiver  We encourage not to share this ID outside from your systems of your company |
| status | * *waiting*: The receiver is waiting to receive the initial email. * *sent*: The initial email has been successfully sent to the receiver's email provider. * *viewed*: The receiver has viewed the documents * *signed*: The signer has signed the documents. * *declined*: The signer declined the request. * *validated*: The validator has successfully validated the request. * *nonvalidated*: The validator has rejected the request. * *error*: There was an error and further investigation on our side. |
| access\_code | *true* if the receiver must provide an access code in order to view the document(s).  *false* otherwise. |
| force\_signature\_type | *all* : The signer can choose the preferred signature adoption.  *text* : The signer must sign with a pre-defined font.  *sign* : The signer must sign drawning a signature.  *image* : The signer must sign by uploading a signature. |
| notes | Reject reason if *signer* or *validator* rejected the request. |

Response

{

   "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

   "name": "name",

   "email": "email@email.com",

   "phone": null,

   "type": "signer",

   "token\_requester": "tokenrequester",

   "status": "waiting",

   "access\_code": false,

   "force\_signature\_type": "all",

   "notes": null

}

Download Audit

It downloads the audit PDF file.

 The signature request status must be *completed*.

**Download Audit**

https://{server}/v1/signature/<token\_requester>/download-audit

 Call [start](https://www.iloveapi.com/docs/api-reference#start) (https://api.ilovepdf.com/v1/start/sign) and use the {server} parameter to get the server which you are going to do the API call.

Download Original files

It downloads the original files.

It returns a PDF file if a single file was uploaded. Otherwise a zip file with all uploaded files is returned.

**Download Original files**

https://{server}/v1/signature/<token\_requester>/download-original

 Call [start](https://www.iloveapi.com/docs/api-reference#start) (https://api.ilovepdf.com/v1/start/sign) and use the {server} parameter to get the server which you are going to do the API call.

Download Signed files

It downloads the signed files.

It returns a PDF file if a single file was uploaded. Otherwise a zip file with all uploaded files is returned.

 If the Signature request status is different from *completed*, the call to this API will not return any files and it will yield an HTTP status code *400*

**Download Signed files**

https://{server}/v1/signature/<token\_requester>/download-signed

 Call [start](https://www.iloveapi.com/docs/api-reference#start) (https://api.ilovepdf.com/v1/start/sign) and use the {server} parameter to get the server which you are going to do the API call.

Fix Receiver Email

Use this endpoint to correct the receiver's email address in the event that the email was not delivered to a valid email address.

**Fix Receiver Email**

https://api.ilovepdf.com/v1/signature/receiver/fix-email/<receiver\_token\_requester>

**email**

string

New valid email for the receiver

Response

{

   "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

   "name": "name",

   "email": "email@email.com",

   "phone": null,

   "type": "signer",

   "token\_requester": "tokenrequester",

   "status": "waiting",

   "access\_code": false,

   "force\_signature\_type": "all",

   "notes": null

}

Fix Signer Phone

Use this endpoint to correct the signers's mobile number in the event that the SMS was not delivered to a valid mobile number.

 Only applicable to receivers of type *signer*

**Fix Signer Phone**

https://api.ilovepdf.com/v1/signature/signer/fix-phone/<signer\_token\_requester>

**phone**

string

New valid mobile number for the signer.

It must contain only numbers. Any other characters are not allowed. It is mandatory to specify the international prefix followed by the phone number.

Several examples:

For +34 737 105 892 (Spain), the number sent to the API should be *34737105892*

For +64 (026) 2511-398 (New Zealand), the number sent to the API should be *640262511398*

For +44 077 8019 6390 (United Kingdom), the number sent to the API should be *4407780196390*

For +1 (379) 254-8609 (United States), the number sent to the API should be *13792548609*

For +55 955 730 5718 (Brazil), the number sent to the API should be *559557305718*

Response

{

   "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

   "name": "name",

   "email": "email@email.com",

   "phone": null,

   "type": "signer",

   "token\_requester": "tokenrequester",

   "status": "waiting",

   "access\_code": false,

   "force\_signature\_type": "all",

   "notes": null

}

Send Reminder emails

When this endpoint is called, sends an email reminder to the receivers that did not finished its action.

It is only available if the following conditions are met:

* The signature status is *sent*
* Signature mode is *multiple*. If you created the signature request from the API, then this value is always set to *multiple*

**Send Reminder**

https://api.ilovepdf.com/v1/signature/sendReminder/<token\_requester>

 There is a daily limit of 2 calls

Response

{

   "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

   "name": "name",

   "email": "email@email.com",

   "phone": null,

   "type": "signer",

   "token\_requester": "tokenrequester",

   "status": "waiting",

   "access\_code": false,

   "force\_signature\_type": "all",

   "notes": null

}

Void Signature

It voids a signature that it is currently in progress. Once voided, it will not be accessible for any receiver of the request.

**Void Signature**

https://api.ilovepdf.com/v1/signature/void/<token\_requester>

Response

{

   "completed\_on": null,

   "created": "2021-10-18 14:03:43",

   "email": "email@email.com",

   "expires": "2022-02-15 15:00:00",

   "language": "en",

   "mode": "multiple",

   "name": "name",

   "notes": null,

   "signer\_reminder\_days\_cycle": 2,

   "subject\_signer": null,

   "message\_signer": null,

   "token\_requester": "token-requester",

   "uuid": "18B06FDC-8643-447C-BAFB-9D3F8CA421B6",

   "expiring": false,

   "expired": false,

   "files": [

      {

           "filename": "sample.pdf",

           "pages": 2,

           "filesize": 22698

      }

  ],

   "signers": [

      {

           "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

           "name": "name",

           "email": "email@email.com",

           "phone": null,

           "type": "signer",

           "token\_requester": "token-signer-requester",

           "status": "waiting",

           "access\_code": false,

           "phone\_access\_code": false,

           "force\_signature\_type": "all",

           "notes": null

      }

  ],

   "status": "draft",

   "certified": true,

   "verify\_enabled": true,

   "lock\_order": false,

   "signer\_reminders": true,

   "about\_to\_expire\_reminder": true,

   "uuid\_visible": true

}

Increase Expiration Days

Increase the number of days in order to prevent the request from expiring and give receivers extra time to perform remaining actions.

**Increase Expiration Days**

https://api.ilovepdf.com/v1/signature/increase-expiration-days/<token\_requester>

**days**

integer

The number of days to increase; a minimum of *1* and a maximum of *130*.

The signature cannot have an expiration date bigger than 130 days from now.

Response

{

   "completed\_on": null,

   "created": "2021-10-18 14:03:43",

   "email": "email@email.com",

   "expires": "2022-02-15 15:00:00",

   "language": "en",

   "mode": "multiple",

   "name": "name",

   "notes": null,

   "signer\_reminder\_days\_cycle": 2,

   "subject\_signer": null,

   "message\_signer": null,

   "token\_requester": "token-requester",

   "uuid": "18B06FDC-8643-447C-BAFB-9D3F8CA421B6",

   "expiring": false,

   "expired": false,

   "files": [

      {

           "filename": "sample.pdf",

           "pages": 2,

           "filesize": 22698

      }

  ],

   "signers": [

      {

           "uuid": "FCE3CAB9-2320-44C1-B18B-0F23BE2CF2FD",

           "name": "name",

           "email": "email@email.com",

           "phone": null,

           "type": "signer",

           "token\_requester": "token-signer-requester",

           "status": "waiting",

           "access\_code": false,

           "phone\_access\_code": false,

           "force\_signature\_type": "all",

           "notes": null

      }

  ],

   "status": "draft",

   "certified": true,

   "verify\_enabled": true,

   "lock\_order": false,

   "signer\_reminders": true,

   "about\_to\_expire\_reminder": true,

   "uuid\_visible": true

}

Topics

Security

As an API user, you will only have access to your tasks and files. The original and processed files are deleted after an hour (depending on your tier, it can be more). After processing and downloading the output files you can also remove the task and the files involved in the process.

Rate Limiting

All endpoints are subject to API rate limiting, depending on the tier. As part of every response, the HTTP headers will show your current rate limit status.

File Encryption

The files are always transmitted encrypted via SSL, but in addition, the iLovePDF API also offers another layer of security: store your files in our servers always encrypted. The only moment when the file will be unencrypted is while processing it. For this encryption and decryption, you must add to your JWT signature the file\_encryption\_key claim on the JWT Payload data. The value of file\_encryption\_key must be a string of 16, 24 or 32 chars. That means that nobody can have access to your files without knowing your File Encryption Key. The File Encryption Key must be the same for same task.

Open task limitation

The number of tasks that can be opened at one time is limited to 10% of your monthly subscription’s file limits. If you reach this limit of opened tasks, an error will be sent warning you to close tasks (by processing or destroying them). Note that a task is opened from the moment an Upload is made until the Process is executed, with the exception of password-protected files; in this case, the task will be closed when the Process can be completed with a correct password.

IP and domain filtering

Depending on the tier you have, you can configure from where your API request must be allowed. All API requests coming from other domains or IP that are not configured will be rejected.

Errors

iLovePDF API uses conventional HTTP response codes to indicate the success or failure of an API request. In general, codes in the 2xx range indicate success, codes in the 4xx range indicate an error that failed due to the information provided (e.g. a required parameter was omitted, a process failed, etc.), and codes in the 5xx range indicate an error with iLovePDF's servers. All error responses have the same structure, and you’ll find all the arguments and errors specified in the param.

For ProcessingError in the param, you'll expect an Array of failed files and the reason for failure. When the error is a 400 Bad request we can specify which type of error we are giving (see the right table).

HTTP Error codes

|  |  |
| --- | --- |
| type | The type of error returned. Can be: *HTTP Error*, *UploadError*, *ProcessingError*, *DownloadError*. |
| message optional | A human-readable message providing more details about the error. |
| code optional | HTTP Error code. |
| param optional | The parameter the error relates to if the error is parameter-specific. You can use this to display a message near the correct form field, for example. |

| HTTP Error Codes | |
| --- | --- |
| 200 - OK | Everything worked as expected. |
| 400 - Bad Request | The request was unacceptable, often due to missing a required parameter. |
| 401 - Unauthorized | No valid API key provided or not correct. |
| 404 - Not found | The requested resource doesn't exist. |
| 429 - Too many requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 5xx - Server Errors | Something went wrong on our API's end |

| Error 400 types | |
| --- | --- |
| UploadError | Some parameter or the file is missed in the request or something went wrong. |
| ProcessingError | Some parameter is missed in the request or the process was unsuccessful. |
| DownloadError | The file may have already been removed or has expired. |

Testing

Debug parameter

Any resource can be called with an additional parameter debug. When sending the debug parameter equal true the resource won't process the request but it will output the parameters received by the server.

Just make sure to add in the payload of your request the parameter *debug* equal to *true*.

Credit consumption

How does credit consumption work?

iLovePDF’s subscriptions and pre-paid packages work using credits. These credits allow you to *process files*, use *Digital Signatures*, and add *SMS authentication* to Signature Requests.

In your monthly subscription, you can use a specific number of credits that are automatically renewed each month.

Alternatively, or in addition to your monthly subscription, you can purchase pre-paid packages. Packages provide you with additional credits to get the job done. Credits in your packages don’t expire, so you can use them at any time from your account.

Credits will always be consumed from your subscription first.

How are the credits consumed?

iLovePDF provides credits for *PDF & Image* processing, *Digital Signatures*, and *SMS authentication*. Depending on the tool, the credits consumed vary based on number of files, number of tasks or number of pages. Please refer to the [pricing page](https://www.iloveapi.com/pricing#credits) for detailed information.

Webhooks

You can configure the specific URLs to which you want to receive webhooks, ensuring that each event type is directed to the appropriate endpoint within your application from your user area. Additionally, you have the flexibility to select which events your webhook should subscribe to, allowing you to tailor the notifications to suit your application’s needs. This configurability ensures precise and relevant data delivery, optimizing your system's interaction with our platform.

All of the webhooks have the same structure, a JSON with two keys: "event" and "data". The event is the event name which is being sent, and "data" is the event related data.

Response example

  {

       "event": "signature.created",

       "data": {

           "signature": {

               .....

          }

      }

  }

**Task webhooks**

The tasks haves two related events, "task.completed" and "task.failed". The "data" field always contains the "task" key, which contains information similar to the following example:

Task response example

{

 "event": "task.completed",

 "data": {

   "task": {

     "tool": "compress",

     "process\_start": "2024-06-17 10:18:17",

     "custom\_int": null,

     "custom\_string": null,

     "status": "TaskSuccess",

     "status\_message": "This task has been processed successfully.",

     "timer": "0.206",

     "filesize": 13264,

     "output\_filesize": 9792,

     "output\_filenumber": 1,

     "output\_extensions": [

       "pdf"

    ],

     "server": "api70.ilovepdf.com",

     "task": "xxxxxxxxxxxxxxxxxxxxxxxxx",

     "file\_number": "1",

     "download\_filename": "server.pdf"

  }

}

}

**Signature event**

All signature related events contains one mandatory key: "signature", which contains the same information as if you used the API call of [Get signature status](https://www.iloveapi.com/docs/api-reference#get-signature)

Additionally, if an event is directly related to a signer / validator / witness, it also includes an additional key called "signed", the result of which is the same as the API call [Get receiver info](https://www.iloveapi.com/docs/api-reference#get-signer)

Signature response example

              {

 "event": "signature.signer.completed",

 "data": {

   "signature": {

     "expired": false,

     "lock\_order": false,

     "expiring": false,

     "notes": null,

     "brand\_name": null,

     "language": null,

     "subject\_cc": null,

     "message\_signer": null,

     "subject\_signer": null,

     "token\_requester": "xxxxxxxxxxxxx",

     "created": "2024-06-17 12:02:59",

     "completed\_on": "2024-06-17 12:39:34",

     "expires": "2024-10-25 13:00:00",

     "status": "completed",

     "name": "test",

     "email": "test@isfjdijasdifjdasfadsf.com",

     "uuid\_visible": true,

     "certified": true,

     "signer\_reminders": true,

     "signer\_reminder\_days\_cycle": 2,

     "verify\_enabled": true,

     "uuid": "9B41A389-6645-45FB-A72D-3A19CC3EF9F9",

     "mode": "multiple",

     "files": [

      {

         "filename": "a.pdf",

         "pages": 62,

         "filesize": 2617649

      }

    ]

  },

   "signer": {

     "uuid": "5E4E6228-CF1E-4533-BC85-4FA660117EF5",

     "name": "asdfadsfafas",

     "email": "test2@8usijfas9yudsfsdf.com",

     "phone": null,

     "phone\_retries\_left": 1,

     "type": "signer",

     "token\_requester": "xxxxxxxxxxxxxxxxxxx",

     "status": "signed",

     "access\_code": false,

     "force\_signature\_type": "all",

     "notes": null,

     "fix\_email\_needed": false,

     "fix\_phone\_needed": false

  }

}

}

Fonts compatibility

For tools such as Add Page Numbers and Add Watermark, which allow you to set a font family for its content, there is a list of compatible fonts to use with any alphabet. Take into account that if you use a font which isn’t on this list, it could cause spelling issues.

Latin, Cirillic and Greek alphabets

Arial (Regular, Bold, Italic, Bold Italic)

Courier (Regular, Bold, Italic, Bold Italic)

Times New Roman (Regular, Bold, Italic, Bold Italic)

Verdana (Regular, Bold, Italic, Bold Italic)

Comic Sans MS (Regular, Bold)

Arabic alphabet

Arial (Regular)

Courier (Regular)

Times New Roman (Regular)

Chinese, Japanese and Korean alphabets

WenQuanYi Zen Hei (Regular)

Arial Unicode MS (Regular)

Hindi alphabets

Lohit Marathi (Regular)

Lohit Devanagari (Regular)

**Info**

* [Overview](https://www.iloveapi.com/)
* [Pricing](https://www.iloveapi.com/pricing)
* [API Reference](https://www.iloveapi.com/docs/api-reference)

**Guides**

* [PDF REST API Guides](https://www.iloveapi.com/docs/pdf-guides)
* [Image REST API Guides](https://www.iloveapi.com/docs/image-guides)
* [Signature REST API Guides](https://www.iloveapi.com/docs/signature-guides)

**API Libraries**

* [PHP](https://github.com/ilovepdf/ilovepdf-php)
* [.Net](https://github.com/ilovepdf/ilovepdf-net)
* [Ruby](https://github.com/ilovepdf/ilovepdf-ruby)
* [Node.js](https://github.com/ilovepdf/ilovepdf-nodejs)

**About**

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* [Go to iloveimg.com](https://www.iloveimg.com/)
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