Documentation
Find everything you need to know here.

API Endpoint

In order to convert an HTML document to PDF, you must send a **POST** request to

`https://api.pdfshift.io/v2/convert` .

When starting, don't forget to add the `sandbox=True` parameter. This will let you make any number of calls to the API without losing any credits.
The resulting PDF will have a watermark on it, but it will help you make a working version of your code.

And remove the `sandbox` parameter in production, and you will be all set!

Get your API key

Authentication

Authenticate your account by including your secret key in API requests. You can manage your API keys in the Dashboard.

Authentication to the API is performed via HTTP Basic Auth. Provide your API key as the basic auth username value. You do not need to provide a password.

`curl -u '120d8e8a86d2......................:' -d source="https://www.example.com" https://api.pdfshift.io/v2/convert/`

Rate limiting

There are no restrictions per account. All accounts have the same rate limiting of **45 requests per minutes**.

If you frequently reach the rate limit, feel free to contact us and we will see to configure a plan according to your needs.

When reaching the rate limit, you will get an HTTP status code of `429` .
Each request will contain three headers to let you know your usage:

```
X-RateLimit-Remaining: 30
X-RateLimit-Limit: 45
X-RateLimit-Reset: 1466368960
```

X-RateLimit-Remaining	Indicates the number of requests before hitting the rate limit.
X-RateLimit-Reset	Indicates the number of requests you can make per minutes (always 45).
X-RateLimit-Reset	Indicates when the rate limit will reset.

Result

When the request is successful, PDFShift will return the raw PDF directly created.

General

source *	Original document to convert to PDF. PDFShift will automatically detect if it's an URL and load it, or an HTML document and charge it.

URL or string
(default: `null`)

Example: `https://www.google.com`

---

sandbox
Boolean
(default: `false`)

Will generates documents that doesn't count in the credits. The generated document will come with a watermark.

Example: `true`

---

landscape
Boolean
(default: `false`)

Will set the view in landscape mode instead of portrait

Example: `true`

---

css
URL or String
(default: `null`)

Will append this CSS styles to the document before saving it. Can be an URL or a String of CSS rules.

Example: `h2 {page-break-before: always; page-break-after: avoid}`

---

javascript
URL or String
(default: `null`)

Will execute the given Javascript before saving the document. Can be an URL or a String of JS code.

Example: `document.getElementById("social-networks").style.display = "none";`

---

disable_images
Boolean
(default: `false`)

Images will not be included in the final document.

Example: `true`

---

disable_javascript
Boolean
(default: `false`)

Will not execute the javascript at all in the document

Example: `true`

---

disable_links
Boolean
(default: `false`)

The link in the document will not point anywhere.

Example: `true`

---

disable_backgrounds
Boolean
(default: `false`)

The final document will not have the background images.

Example: `true`

---

delay
Number
(default: `2000`)

In milliseconds. Will wait for this duration before capturing the document. Up to 10 seconds max. We wait 2seconds by default (2000ms)

Example: `2000`

---

use_print
Boolean
(default: `false`)

Use the print stylesheet instead of the general one.

Example: `true`

---

format
String
(default: `A4`)

Format of the document. You can either use the standard values (Letter, Legal, Tabloid, Ledger, A0, A1, A2, A3, A4, A5) or a custom `{width}x{height}` value. For {width} and {height}, you can indicate the following units: in, cm, mm.

Example: `800x600`

---

viewport
String
(default: `1200x1024`)

Viewport size. Defined as `width x height`. Default is 1200x1024.

Example: `375x667`

---

zoom
Number
(default: `1`)

A value between 0 and 50. Allows you to increase the zoom in the document for specific purposes.

Example: `15`

---

margin
Object
(default: `null`)

Empty spaces between the outer and the beginning of the content

---

auth
Object
(default: `null`)

Object containing `username` and `password` for accessing password-protected content.

Example: `{"username": "admin", "password": "r00t"}`

---

cookies
Array of Object
(default: `null`)

List of cookies you want to send along with the requests when loading the source. See the related part at the bottom of the document

Example: `[{"name": "session", "value": "xxx-xxxx-xxxx"}]`

---

http_headers
Object
(default: `null`)

List of http headers that you can customize for a better end result.

Example: `{"Content-Type": "text/html; charset=utf-8"}, {"user-agent": "Mozilla/5.0 (Windows NT 6.1; Win64; x64; rv:47.0) Gecko/20100101 Firefox/47.0"}`

---

header

Defines a custom header. See the "Header/Footer" section for more details.

Object
(default: `{"source": "<div>Pages {{page}} of {{total}}</div>", "spacing": "150px"}`)

---

footer
URL or String
(default: `null`)

Same as header.

---

protection
Object
(default: `null`)

Will add restrictions on the PDF document. See the #Protection part for more details

---

watermark
Object
(default: `null`)

Add a watermark to the generated document. See the #Watermark part for more details.

Cookies

List of accepted parameters for the Cookie object.

---

name *
String
(default: `null`)

Name of the cookie

Example: `session`

---

value *
String
(default: `null`)

Value for the specified cookie

Example: `6ba7b810-9dad-11d1-80b4-00c04fd430c8`

---

secure
Boolean
(default: `false`)

If set to true, This cookie will only be available for secure (https) connections.

Example: `true`

---

http_only
Boolean
(default: `false`)

If set to true, this cookie will only be available to HTTP request only (no javascript).

Example: `true`

Margin

The margin of the document can be defined using the four parameters below:

---

top
String
(default: `null`)

Space between the top and the content.

Example: `15px`

---

right
String
(default: `null`)

Space between the right and the content.

Example: `15px`

---

bottom
String
(default: `null`)

Space between the bottom and the content.

Example: `15px`

---

left
String
(default: `null`)

Space between the left and the content.

Example: `15px`

Header/Footer

You can configure the aspect of your header and footer document using the following values

---

source *
URL or string
(default: `null`)

Element to add in the header/footer part of the document. You can use variables, indicated at the end of the document. PDFShift will automatically detect if it's an URL and load it, or an HTML data and charge it.

Example: `<h1>My awesome document!</h1>`

| **spacing** *
 String
 (default: `null`) | A spacing between the header or footer and the content. For header, it's the space between the header and the beginning of the document. For the footer, it's the space between the end of the document and the bottom of the page.
 Example: `150px` |

Protection

You can restrict access to your generated document using the following rules. The encryption is made in 128bits.

| **author**
 String
 (default: `null`) | Document's author name
 Example: `Richard Hendricks` |

| **user_password**
 String
 (default: `null`) | A user who has the password will be able to view the document and perform operations allowed by the permission options
 Example: `super-user-password` |

| **owner_password**
 String
 (default: `null`) | A user who has the password will have unlimited access to the PDF, including changing the passwords and permission options.
 Example: `super-owner-password` |

| **no_print**
 Boolean
 (default: `false`) | When set to true, printing will be disabled.
 Example: `true` |

| **no_copy**
 Boolean
 (default: `false`) | When set to true, the possibility to copy any text will be disabled.
 Example: `true` |

| **no_modify**
 Boolean
 (default: `false`) | When set to true, the possibility to modify the document will be disabled.
 Example: `true` |

Watermark with Image

You can add an image as watermark to your document easily. Here's how:

| **image**
 String
 (default: `null`) | Image file to add on top of the generated PDF. PDFShift will automatically detect if it's an URL or a data, and act accordingly. When sending as data, the value must be base64 encoded.
 Example: `http://www.website.com/images/logo.png` |

| **offset_x**
 Number/String
 (default: `null`) | Position starting from the left of the document. Accepted values are any number, "left", "right" or "center".
 Example: `center` |

| **offset_y**
 Number/String
 (default: `null`) | Position starting from the top of the document. Accepted values are any number, "top", "middle", "bottom".
 Example: `middle` |

| **rotate**
 Number
 (default: `null`) | Rotation of the image, in degrees
 Example: `90` |

Watermark with Text

You can add a text as a watermark on your document easily. Here's how:

| **text**
 String
 (default: `null`) | Image or PDF (single page) document to add on top of the generated PDF. PDFShift will automatically detect if it's an URL or a data, and act accordingly. When sending as data, the value must be base64 encoded.
 Example: `http://www.website.com/images/logo.png` |

| **offset_x**
 String
 (default: `null`) | Position starting from the left of the document. Accepted values are any number, "left", "right" or "center".
 Example: `150px` |

offset_y
String
(default: `null`)

Position starting from the top of the document. Accepted values are any number, "top", "middle", "bottom".

Example: `240px`

rotate
Number
(default: `null`)

Rotation of the text, in degrees

Example: `90`

font_size
Number
(default: `16`)

Size of the font, in points.

Example: `25`

font_family
String
(default: `null`)

Font Family native to PDF. Allowed fonts are Helvetica, Times and Courier.

Example: `90`

font_color
String
(default: `#000`)

Color of the font, in hexadecimal.

Example: `#ccc`

font_opacity
Number
(default: `100`)

Opacity of the font, between 0 (invisible) and 100.

Example: `50`

font_bold
Boolean
(default: `false`)

Set the font in Bold.

Example: `true`

font_italic
Boolean
(default: `false`)

Set the font in italic.

Example: `true`

Watermark with PDF

You can also add a watermark to your document easily using an already existing PDF (one page) file.. Here's how:

source
String
(default: `null`)

PDF (single page) document to add on top of the generated PDF. PDFShift will automatically detect if it's an URL or a data, and ac accordingly. When sending as data, the value must be base64 encoded.

Example: `http://www.website.com/images/watermark.pdf`

Variables in header and footer

Variable	Description
`{{date}}`	Formatted print date
`{{title}}`	Title of the HTML document
`{{url}}`	Page URL
`{{page}}`	Current page
`{{total}}`	Total number of pages

Missing a feature? Contact us and we will see if we can implement it!

Get your API key