



# HTML to PDF API - Java

Learn how to convert web pages and HTML documents to PDF in Java using the [Pdfcrowd API v2](#). The API is easy to use and the integration takes only a couple of lines of code.

## Installation

Download [pdfcrowd-4.9.0-java.zip](#), unzip it and copy *pdfcrowd-4.9.0.jar* to your [CLASSPATH](#). Learn more about other [install options](#) (Maven, GitHub).

## Authentication

Authentication is needed in order to use the Pdfcrowd API. The credentials used for accessing the API are your Pdfcrowd username and the API key.

[Sign up for a Free Trial](#)

## Examples

Convert a web page to a PDF file

```
import com.pdfcrowd.*;
import java.io.*;

public class ApiTest {
    public static void main(String[] args) throws IOException, Pdfcrowd.Error {
        try {
            // create the API client instance
            Pdfcrowd.HtmlToPdfClient client = new Pdfcrowd.HtmlToPdfClient("demo", "

            // run the conversion and write the result to a file
            client.convertUrlToFile("http://www.example.com", "example.pdf");
        }
        catch(Pdfcrowd.Error why) {
            // report the error
            System.err.println("Pdfcrowd Error: " + why);

            // handle the exception here or rethrow and handle it at a higher level
            throw why;
        }
        catch(IOException why) {
            // report the error
            System.err.println("IO Error: " + why.getMessage());

            // handle the exception here or rethrow and handle it at a higher level
            throw why;
        }
    }
}
```

Convert a web page to in-memory PDF



Convert a local HTML file to a PDF file

Convert a local HTML file to in-memory PDF

Convert a local HTML file and write the resulting PDF to an output stream

Convert a string containing HTML to a PDF file

Convert a string containing HTML to in-memory PDF

Convert a string containing HTML and write the resulting PDF to an output stream

Get info about the current conversion

## Advanced Examples

Customize the page size and the orientation

Put the source URL in the header and the page number in the footer

Zoom the HTML document

Set PDF metadata

Create a Powerpoint like presentation from an HTML document

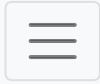
Convert an HTML document section

Inject an HTML code

Renderer debugging - highlight HTML elements

Renderer debugging - borders with spacing around HTML elements

Check out the [Github](#) repository with examples of Pdfcrowd API integration into various web frameworks. For Java see:



## Tips & Tricks

The API lets you convert a web page, a local HTML file, or a string containing HTML. The result of the conversion can be stored to a local file, to a stream object or to a variable. See the [conversion input](#) section for more details.

The best way to start with the API is to choose one of the [examples](#) and once you get it working, you can:

- Change the page size with [setPageSize](#) and the page orientation with [setOrientation](#).
  - You can [setPageHeight](#) to -1 to get a single page PDF containing the whole document.
- Adjust the page margins with [setPageMargins](#).
- Specify headers and footers with [setHeaderHtml](#) and [setFooterHtml](#).
- Scale the HTML contents with [setScaleFactor](#).
- And many more. See the [HTML to PDF API reference](#) for available options.

You can also use these HTML related features:

- You can use the following classes in your HTML code which hide/remove elements from the output:
  - `pdfcrowd-remove` - sets `display:none!important` on the element
  - `pdfcrowd-hide` - sets `visibility:hidden!important` on the element
- You can switch to the print version of the page (if it exists) with [setUsePrintMedia](#).
- You can force a page break with  
`<div style="page-break-before:always"></div>`
- You can avoid a page break inside an element with the following CSS  
`img { page-break-inside:avoid }`
- You can use [setOnLoadJavascript](#) or [setCustomJavascript](#) to alter the HTML contents with a custom JavaScript. In addition to the standard browser APIs, the custom JavaScript code can use helper functions from our [JavaScript library](#).

## Error Handling

```
try {  
    // call the API  
}  
catch(Pdfcrowd.Error why) {  
    // print error  
    System.err.println("Pdfcrowd Error: " + why);  
  
    // print just error code  
    System.err.println("Pdfcrowd Error Code: " + why.getCode());  
}
```

```
// print just error message
System.err.println("Pdfcrowd Error Message: " + why.getMessage());

// or handle the error in your way
```



## Troubleshooting

- Check [API Status Codes](#) in case of the error code is returned.
- You can use [setDebugLog](#) and [getDebugLogUrl](#) to get detailed info about the conversion, such as conversion errors, time, console output.
- You can use our JavaScript library to resolve rendering problems, such as missing content or blank pages.  
Just use [setCustomJavascript](#) with [libPdfcrowd.highlightHtmlElements](#) method call to visualize all HTML elements. See the [example](#) and helper [JavaScript library](#) documentation.
- Take a look at the [FAQ section](#).

## API Reference - class HtmlToPdfClient

Conversion from HTML to PDF. All setter methods return HtmlToPdfClient object unless otherwise specified.

### Constructor

```
public HtmlToPdfClient(String userName, String apiKey)
```

Constructor for the Pdfcrowd API client.

Parameter	Description	Default
userName	Your username at Pdfcrowd.	
apiKey	Your API key.	

### Conversion Input

```
public byte[] convertUrl(String url)
```

Convert a web page.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
	The address of the web page to convert. The supported protocols are http:// and https://.	



- byte[] - Byte array containing the conversion output.

```
public void convertUrlToStream(String url, OutputStream outStream)
```

Convert a web page and write the result to an output stream.

Parameter	Description	Default
url	The address of the web page to convert. The supported protocols are http:// and https://.	
outStream	The output stream that will contain the conversion output.	

```
public void convertUrlToFile(String url, String filePath) throws IOException
```

Convert a web page and write the result to a local file.

Parameter	Description	Default
url	The address of the web page to convert. The supported protocols are http:// and https://.	
filePath	The output file path. The string must not be empty.	

```
public byte[] convertFile(String file)
```

Convert a local file.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
	or .zip). If the HTML document refers to local external assets (images, style sheets, javascript), zip the document together with the assets. The file must exist and not be empty. The file name must have a valid extension.	

Returns

- `byte[]` - Byte array containing the conversion output.

```
public void convertFileToStream(String file, OutputStream outStream)
```

Convert a local file and write the result to an output stream.

Parameter	Description	Default
file	The path to a local file to convert. The file can be either a single file or an archive (.tar.gz, .tar.bz2, or .zip). If the HTML document refers to local external assets (images, style sheets, javascript), zip the document together with the assets. The file must exist and not be empty. The file name must have a valid extension.	
outStream	The output stream that will contain the conversion output.	

```
public void convertFileToFile(String file, String filePath) throws IOException
```

Convert a local file and write the result to a local file.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
<div>☰</div>		
	<p>or .zip).</p> <p>If the HTML document refers to local external assets (images, style sheets, javascript), zip the document together with the assets.</p> <p>The file must exist and not be empty.</p> <p>The file name must have a valid extension.</p>	
filePath	<p>The output file path.</p> <p>The string must not be empty.</p>	

```
public byte[] convertString(String text)
```

Convert a string.

Parameter	Description	Default
text	<p>The string content to convert.</p> <p>The string must not be empty.</p>	

Returns

- byte[] - Byte array containing the conversion output.

```
public void convertStringToStream(String text, OutputStream outStream)
```

Convert a string and write the output to an output stream.

Parameter	Description	Default
text	<p>The string content to convert.</p> <p>The string must not be empty.</p>	
outStream	The output stream that will contain the conversion output.	

```
public void convertStringToFile(String text, String filePath) throws
```

Convert a string and write the output to a file.

	The string content to convert. The string must not be empty.
filePath	The output file path. The string must not be empty.

## Page Setup

```
public HtmlToPdfClient setPageSize(String pageSize)
```

Set the output page size.

Parameter	Description	Default
pageSize	Allowed values: <ul style="list-style-type: none"><li>A2</li><li>A3</li><li>A4</li><li>A5</li><li>A6</li><li>Letter</li></ul>	A4

```
public HtmlToPdfClient setPageWidth(String pageWidth)
```

Set the output page width. The safe maximum is 200in otherwise some PDF viewers may be unable to open the PDF.

Parameter	Description	Default
pageWidth	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	8.27in

Examples:

- setPageWidth("300mm")
- setPageWidth("9.5in")



```
public HtmlToPdfClient setPageHeight(String pageHeight)
```



some PDF viewers may be unable to open the PDF.

Parameter	Description	Default
pageHeight	Can be -1 or specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	11.7in

Examples:

- `setPageHeight("350mm")`
- `setPageHeight("15.25in")`
- The height of the page is calculated automatically so that the whole document fits into it.  
`setPageHeight("-1")`

```
public HtmlToPdfClient setPageDimensions(String width, String height
```

Set the output page dimensions.


Parameter	Description	Default
width	Set the output page width. The safe maximum is 200in otherwise some PDF viewers may be unable to open the PDF. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	8.27in
height	Set the output page height. Use -1 for a single page PDF. The safe maximum is 200in otherwise some PDF viewers may be unable to open the PDF. Can be -1 or specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	11.7in

Examples:

- `setPageDimensions("300mm", "350mm")`
- `setPageDimensions("9.5in", "15.25in")`
- `setPageDimensions("372mm", "520pt")`

```
public HtmlToPdfClient setOrientation(String orientation)
```

Set the output page orientation.

		
Orientation	Allowed values:	portrait
	<ul style="list-style-type: none"><li>landscape</li><li>portrait</li></ul>	

```
public HtmlToPdfClient setMarginTop(String marginTop)
```

Set the output page top margin.

Parameter	Description	Default
marginTop	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.4in

Examples:

- setMarginTop("1in")
- setMarginTop("2.5cm")

```
public HtmlToPdfClient setMarginRight(String marginRight)
```

Set the output page right margin.

Parameter	Description	Default
marginRight	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.4in

Examples:

- setMarginRight("1in")
- setMarginRight("2.5cm")

```
public HtmlToPdfClient setMarginBottom(String marginBottom)
```

Set the output page bottom margin.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
<div> <div></div> </div>		

Examples:

- `setMarginBottom("1in")`
- `setMarginBottom("2.5cm")`

```
public HtmlToPdfClient setMarginLeft(String marginLeft)
```

Set the output page left margin.

Parameter	Description	Default
marginLeft	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.4in

Examples:

- `setMarginLeft("1in")`
- `setMarginLeft("2.5cm")`

```
public HtmlToPdfClient setNoMargins(boolean noMargins)
```

Disable page margins.

Parameter	Description	Default
noMargins	Set to <code>true</code> to disable margins.	false

```
public HtmlToPdfClient setPageMargins(String top, String right, String bottom, String left)
```

Set the output page margins.

Parameter	Description	Default
top	Set the output page top margin. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.4in

Parameter	Description	Default
	(cm), or points (pt).	
bottom	Set the output page bottom margin. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.4in
left	Set the output page left margin. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.4in

```
public HtmlToPdfClient setHeaderUrl(String headerUrl)
```

Load an HTML code from the specified URL and use it as the page header. The following classes can be used in the HTML. The content of the respective elements will be expanded as follows:

- pdfcrowd-page-count - the total page count of printed pages
- pdfcrowd-page-number - the current page number
- pdfcrowd-source-url - the source URL of a converted document

The following attributes can be used:

- data-pdfcrowd-number-format - specifies the type of the used numerals
  - Arabic numerals are used by default.
  - Roman numerals can be generated by the roman and roman-lowercase values
    - Example: `<span class='pdfcrowd-page-number' data-pdfcrowd-number-format='roman'></span>`
- data-pdfcrowd-placement - specifies where to place the source URL, allowed values:
  - The URL is inserted to the content
    - Example: `<span class='pdfcrowd-source-url'></span>` will produce `<span>http://example.com</span>`
  - href - the URL is set to the href attribute
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href'>Link to source</a>` will produce `<a href='http://example.com'>Link to source</a>`
  - href-and-content - the URL is set to the href attribute and to the content
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href-and-content'></a>` will produce `<a href='http://example.com'>http://example.com</a>`

Parameter	Description	Default
-----------	-------------	---------



Examples:

- `setHeaderUrl("http://myserver.com/header.html")`

```
public HtmlToPdfClient setHeaderHtml(String headerHtml)
```

Use the specified HTML code as the page header. The following classes can be used in the HTML. The content of the respective elements will be expanded as follows:

- `pdfcrowd-page-count` - the total page count of printed pages
- `pdfcrowd-page-number` - the current page number
- `pdfcrowd-source-url` - the source URL of a converted document

The following attributes can be used:

- `data-pdfcrowd-number-format` - specifies the type of the used numerals
  - Arabic numerals are used by default.
  - Roman numerals can be generated by the `roman` and `roman-lowercase` values
    - Example: `<span class='pdfcrowd-page-number' data-pdfcrowd-number-format='roman'></span>`
- `data-pdfcrowd-placement` - specifies where to place the source URL, allowed values:
  - The URL is inserted to the content
    - Example: `<span class='pdfcrowd-source-url'></span>` will produce `<span>http://example.com</span>`
  - `href` - the URL is set to the href attribute
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href'>Link to source</a>` will produce `<a href='http://example.com'>Link to source</a>`
  - `href-and-content` - the URL is set to the href attribute and to the content
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href-and-content'></a>` will produce `<a href='http://example.com'>http://example.com</a>`

Parameter	Description	Default
headerHtml	The string must not be empty.	

Examples:

- It displays the page number and the total page count.  
`setHeaderHtml("Page <span class='pdfcrowd-page-number'></span> of <span class='pdfcrowd-page-count'></span> pages")`

```
public HtmlToPdfClient setHeaderHeight(String headerHeight)
```



Parameter	Description	Default
headerHeight	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.5in

Examples:

- `setHeaderHeight("30mm")`
- `setHeaderHeight("1in")`

```
public HtmlToPdfClient setFooterUrl(String footerUrl)
```

Load an HTML code from the specified URL and use it as the page footer. The following classes can be used in the HTML. The content of the respective elements will be expanded as follows:

- `pdfcrowd-page-count` - the total page count of printed pages
- `pdfcrowd-page-number` - the current page number
- `pdfcrowd-source-url` - the source URL of a converted document

The following attributes can be used:

- `data-pdfcrowd-number-format` - specifies the type of the used numerals
  - Arabic numerals are used by default.
  - Roman numerals can be generated by the `roman` and `roman-lowercase` values
    - Example: `<span class='pdfcrowd-page-number' data-pdfcrowd-number-format='roman'></span>`
- `data-pdfcrowd-placement` - specifies where to place the source URL, allowed values:
  - The URL is inserted to the content
    - Example: `<span class='pdfcrowd-source-url'></span>` will produce `<span>http://example.com</span>`
  - `href` - the URL is set to the href attribute
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href'>Link to source</a>` will produce `<a href='http://example.com'>Link to source</a>`
  - `href-and-content` - the URL is set to the href attribute and to the content
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href-and-content'></a>` will produce `<a href='http://example.com'>http://example.com</a>`

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
-----------	-------------	---------



Examples:

- `setFooterUrl("http://myserver.com/header.html")`

```
public HtmlToPdfClient setFooterHtml(String footerHtml)
```

Use the specified HTML as the page footer. The following classes can be used in the HTML. The content of the respective elements will be expanded as follows:

- `pdfcrowd-page-count` - the total page count of printed pages
- `pdfcrowd-page-number` - the current page number
- `pdfcrowd-source-url` - the source URL of a converted document

The following attributes can be used:

- `data-pdfcrowd-number-format` - specifies the type of the used numerals
  - Arabic numerals are used by default.
  - Roman numerals can be generated by the `roman` and `roman-lowercase` values
    - Example: `<span class='pdfcrowd-page-number' data-pdfcrowd-number-format='roman'></span>`
- `data-pdfcrowd-placement` - specifies where to place the source URL, allowed values:
  - The URL is inserted to the content
    - Example: `<span class='pdfcrowd-source-url'></span>` will produce `<span>http://example.com</span>`
  - `href` - the URL is set to the href attribute
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href'>Link to source</a>` will produce `<a href='http://example.com'>Link to source</a>`
  - `href-and-content` - the URL is set to the href attribute and to the content
    - Example: `<a class='pdfcrowd-source-url' data-pdfcrowd-placement='href-and-content'></a>` will produce `<a href='http://example.com'>http://example.com</a>`

Parameter	Description	Default
footerHtml	The string must not be empty.	

Examples:

- It displays the page number and the total page count.  
`setFooterHtml("Page <span class='pdfcrowd-page-number'></span> of <span class='pdfcrowd-page-count'></span> pages")`

```
public HtmlToPdfClient setFooterHeight(String footerHeight)
```



Parameter	Description	Default
footerHeight	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	0.5in

Examples:

- `setFooterHeight("30mm")`
- `setFooterHeight("1in")`

```
public HtmlToPdfClient setPrintPageRange(String pages)
```

Set the page range to print.

Parameter	Description	Default
pages	A comma separated list of page numbers or ranges.	

Examples:

- Just the second page is printed.  
`setPrintPageRange("2")`
- The first and the third page are printed.  
`setPrintPageRange("1,3")`
- Everything except the first page is printed.  
`setPrintPageRange("2-")`
- Just first 3 pages are printed.  
`setPrintPageRange("-3")`
- Pages 3, 6, 7, 8 and 9 are printed.  
`setPrintPageRange("3,6-9")`

```
public HtmlToPdfClient setExcludeHeaderOnPages(String pages)
```

The page header is not printed on the specified pages.

Parameter	Description	Default
-----------	-------------	---------



Parameter	Description	Default
	but one page, and so on. A comma separated list of page numbers.	

Examples:

- The header is not printed on the second page.  
`setExcludeHeaderOnPages("2")`
- The header is not printed on the first and the last page.  
`setExcludeHeaderOnPages("1, -1")`

```
public HtmlToPdfClient setExcludeFooterOnPages(String pages)
```

The page footer is not printed on the specified pages.

Parameter	Description	Default
pages	List of physical page numbers. Negative numbers count backwards from the last page: -1 is the last page, -2 is the last but one page, and so on. A comma separated list of page numbers.	

Examples:

- The footer is not printed on the second page.  
`setExcludeFooterOnPages("2")`
- The footer is not printed on the first and the last page.  
`setExcludeFooterOnPages("1, -1")`

```
public HtmlToPdfClient setPageNumberingOffset(int offset)
```

Set an offset between physical and logical page numbers.

Parameter	Description	Default
offset	Integer specifying page offset.	0

Examples:

- The page numbering will start with 0. Set `exclude_header_on_pages` to "1" and the page numbering will start on the second page with 1.  
`setPageNumberingOffset(1)`

- The page numbering will start with 11 on the first page. It can be useful for joining documents.



```
public HtmlToPdfClient setContentAreaX(String contentAreaX)
```

Set the top left X coordinate of the content area. It is relative to the top left X coordinate of the print area.

Parameter	Description	Default
contentAreaX	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt). It may contain a negative value.	0in

Examples:

- `setContentAreaX("-1in")`
- `setContentAreaX("2.5cm")`

```
public HtmlToPdfClient setContentAreaY(String contentAreaY)
```

Set the top left Y coordinate of the content area. It is relative to the top left Y coordinate of the print area.

Parameter	Description	Default
contentAreaY	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt). It may contain a negative value.	0in

Examples:

- `setContentAreaY("-1in")`
- `setContentAreaY("2.5cm")`

```
public HtmlToPdfClient setContentAreaWidth(String contentAreaWidth)
```

Set the width of the content area. It should be at least 1 inch.

Parameter	Description	Default
contentAreaWidth	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	The width of the print area.

Examples:

- `setContentAreaWidth("8in")`



```
public HtmlToPdfClient setContentAreaHeight(String contentAreaHeight
```

Set the height of the content area. It should be at least 1 inch.

Parameter	Description	Default
contentAreaHeight	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	The height of the print area.

Examples:

- `setContentAreaHeight("8in")`
- `setContentAreaHeight("25cm")`

```
public HtmlToPdfClient setContentArea(String x, String y, String wid
```

Set the content area position and size. The content area enables to specify a web page area to be converted.

Parameter	Description	Default
x	Set the top left X coordinate of the content area. It is relative to the top left X coordinate of the print area. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt). It may contain a negative value.	0in
y	Set the top left Y coordinate of the content area. It is relative to the top left Y coordinate of the print area. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt). It may contain a negative value.	0in
width	Set the width of the content area. It should be at least 1 inch. Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	The width of the print area.

Parameter	Description	Default
	Can be specified in inches (in), millimeters (mm), centimeters (cm), or points (pt).	area.

## Watermark & Background

```
public HtmlToPdfClient setPageWatermark(String pageWatermark)
```

Apply the first page of the watermark PDF to every page of the output PDF.

Parameter	Description	Default
pageWatermark	The file path to a local watermark PDF file. The file must exist and not be empty.	

```
public HtmlToPdfClient setMultipageWatermark(String multipageWaterma
```

Apply each page of the specified watermark PDF to the corresponding page of the output PDF.

Parameter	Description	Default
multipageWatermark	The file path to a local watermark PDF file. The file must exist and not be empty.	

```
public HtmlToPdfClient setPageBackground(String pageBackground)
```

Apply the first page of the specified PDF to the background of every page of the output PDF.

Parameter	Description	Default
pageBackground	The file path to a local background PDF file. The file must exist and not be empty.	

```
public HtmlToPdfClient setMultipageBackground(String multipageBackgr
```



PDF.

Parameter	Description	Default
multipageBackground	The file path to a local background PDF file. The file must exist and not be empty.	

```
public HtmlToPdfClient setPageBackgroundColor(String pageBackgroundCo
```

The page background color in RGB or RGBA hexadecimal format. The color fills the entire page regardless of the margins.

Parameter	Description	Default
pageBackgroundColor	The value must be in RRGGBB or RRGGBBAA hexadecimal format.	

Examples:

- red color  
`setPageBackgroundColor("FF0000")`
- green color  
`setPageBackgroundColor("00ff00")`
- green color with 50% opacity  
`setPageBackgroundColor("00ff0080")`

## General Options

```
public HtmlToPdfClient setNoBackground(boolean noBackground)
```

Do not print the background graphics.

Parameter	Description	Default
noBackground	Set to <code>true</code> to disable the background graphics.	false

```
public HtmlToPdfClient setDisableJavascript(boolean disableJavascript)
```



Parameter	Description	Default
disableJavascript	Set to <code>true</code> to disable JavaScript in web pages.	false

```
public HtmlToPdfClient setDisableImageLoading(boolean disableImageLoading)
```

Do not load images.

Parameter	Description	Default
disableImageLoading	Set to <code>true</code> to disable loading of images.	false

```
public HtmlToPdfClient setDisableRemoteFonts(boolean disableRemoteFonts)
```

Disable loading fonts from remote sources.

Parameter	Description	Default
disableRemoteFonts	Set to <code>true</code> to disable loading remote fonts.	false

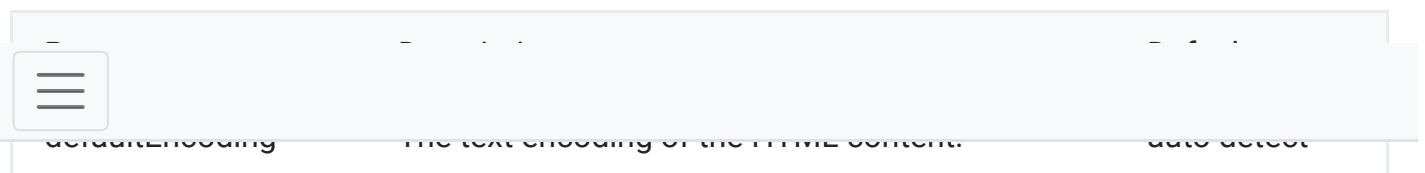
```
public HtmlToPdfClient setBlockAds(boolean blockAds)
```

Try to block ads. Enabling this option can produce smaller output and speed up the conversion.

Parameter	Description	Default
blockAds	Set to <code>true</code> to block ads in web pages.	false

```
public HtmlToPdfClient setDefaultEncoding(String defaultEncoding)
```

Set the default HTML content text encoding.



Parameter	Description	Default
defaultEncoding	The text encoding of the HTML content.	auto detect

```
public HtmlToPdfClient setHttpAuth(String userName, String password)
```

Set credentials to access HTTP base authentication protected websites.

Parameter	Description	Default
userName	Set the HTTP authentication user name.	
password	Set the HTTP authentication password.	

```
public HtmlToPdfClient setUsePrintMedia(boolean usePrintMedia)
```

Use the print version of the page if available (@media print).

Parameter	Description	Default
usePrintMedia	Set to <code>true</code> to use the print version of the page.	false

```
public HtmlToPdfClient setNoXpdfcrowdHeader(boolean noXpdfcrowdHeader)
```

Do not send the X-Pdfcrowd HTTP header in Pdfcrowd HTTP requests.

Parameter	Description	Default
noXpdfcrowdHeader	Set to <code>true</code> to disable sending X-Pdfcrowd HTTP header.	false

```
public HtmlToPdfClient setCookies(String cookies)
```

Set cookies that are sent in Pdfcrowd HTTP requests.

Parameter	Description	Default
-----------	-------------	---------



Examples:

- `setCookies("session=6d7184b3bf35;token=2710")`

```
public HtmlToPdfClient setVerifySslCertificates(boolean verifySslCer
```

Do not allow insecure HTTPS connections.

Parameter	Description	Default
<code>verifySslCertificates</code>	Set to <code>true</code> to enable SSL certificate verification.	<code>false</code>

```
public HtmlToPdfClient setFailOnMainUrlError(boolean failOnError)
```

Abort the conversion if the main URL HTTP status code is greater than or equal to 400.

Parameter	Description	Default
<code>failOnError</code>	Set to <code>true</code> to abort the conversion.	<code>false</code>

```
public HtmlToPdfClient setFailOnAnyUrlError(boolean failOnError)
```

Abort the conversion if any of the sub-request HTTP status code is greater than or equal to 400 or if some sub-requests are still pending. See details in a debug log.

Parameter	Description	Default
<code>failOnError</code>	Set to <code>true</code> to abort the conversion.	<code>false</code>

```
public HtmlToPdfClient setCustomJavascript(String customJavascript)
```

Run a custom JavaScript after the document is loaded and ready to print. The script is intended for post-load DOM manipulation (add/remove elements, update CSS, ...). In addition to the



standard browser APIs, the custom JavaScript code can use helper functions from our [JavaScript library](#).



Parameter	Description
customJavascript	A string containing a JavaScript code. The string must not be empty.

```
public HtmlToPdfClient setOnLoadJavascript(String onLoadJavascript)
```

Run a custom JavaScript right after the document is loaded. The script is intended for early DOM manipulation (add/remove elements, update CSS, ...). In addition to the standard browser APIs, the custom JavaScript code can use helper functions from our [JavaScript library](#).

Parameter	Description	Default
onLoadJavascript	A string containing a JavaScript code. The string must not be empty.	

```
public HtmlToPdfClient setCustomHTTPHeader(String customHTTPHeader)
```

Set a custom HTTP header that is sent in Pdfcrowd HTTP requests.

Parameter	Description	Default
customHTTPHeader	A string containing the header name and value separated by a colon.	

Examples:

- `setCustomHTTPHeader("X-My-Client-ID:k2017-12345")`

```
public HtmlToPdfClient setJavascriptDelay(int javascriptDelay)
```

Wait the specified number of milliseconds to finish all JavaScript after the document is loaded. The maximum value is determined by your API license.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
<div>☰</div>		

```
public HtmlToPdfClient setElementToConvert(String selectors)
```

Convert only the specified element from the main document and its children. The element is specified by one or more [CSS selectors](#). If the element is not found, the conversion fails. If multiple elements are found, the first one is used.

Parameter	Description	Default
selectors	One or more <a href="#">CSS selectors</a> separated by commas. The string must not be empty.	

Examples:

- The first element with the id `main-content` is converted.  
`setElementToConvert("#main-content")`
- The first element with the class name `main-content` is converted.  
`setElementToConvert(".main-content")`
- The first element with the tag name `table` is converted.  
`setElementToConvert("table")`
- The first element with the tag name `table` or with the id `main-content` is converted.  
`setElementToConvert("table, #main-content")`
- The first element `<p class="article">` within `<div class="user-panel main">` is converted.  
`setElementToConvert("div.user-panel.main p.article")`

```
public HtmlToPdfClient setElementToConvertMode(String mode)
```

Specify the DOM handling when only a part of the document is converted.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
<div> <div></div> <div></div> </div>		
	<p>The element and its children are cut out of the document.</p> <ul style="list-style-type: none"> <li><code>remove-siblings</code> All element's siblings are removed.</li> <li><code>hide-siblings</code> All element's siblings are hidden.</li> </ul>	

```
public HtmlToPdfClient setWaitForElement(String selectors)
```

Wait for the specified element in a source document. The element is specified by one or more [CSS selectors](#). The element is searched for in the main document and all iframes. If the element is not found, the conversion fails. Your API license defines the maximum wait time by "Max Delay" parameter.

Parameter	Description	Default
selectors	One or more <a href="#">CSS selectors</a> separated by commas. The string must not be empty.	


Examples:

- Wait until an element with the id `main-content` is found.  
`setWaitForElement("#main-content")`
- Wait until an element with the class name `main-content` is found.  
`setWaitForElement(".main-content")`
- Wait until an element with the tag name `table` is found.  
`setWaitForElement("table")`
- Wait until an element with the tag name `table` or with the id `main-content` is found.  
`setWaitForElement("table, #main-content")`
- Wait until `<p class="article">` is found within `<div class="user-panel main">`.  
`setWaitForElement("div.user-panel.main p.article")`

## Print Resolution

```
public HtmlToPdfClient setViewport(int width, int height)
```

Set the viewport size. The viewport is the user's visible area of the page.



width	Set the viewport width in pixels. The viewport is the user's visible area of the page. The value must be in the range 96-7680.	768
height	Set the viewport height in pixels. The viewport is the user's visible area of the page. Must be a positive integer number.	768

```
public HtmlToPdfClient setRenderingMode(String renderingMode)
```

Set the rendering mode.

Parameter	Description	Default
renderingMode	The rendering mode. Allowed values: <ul style="list-style-type: none"><li>default This mode is based on the standard browser print functionality.</li><li>viewport The viewport width affects the @media min-width and max-width CSS properties. This mode can be used to choose a particular version (mobile, desktop, ..) of a responsive page.</li></ul>	default

```
public HtmlToPdfClient setSmartScalingMode(String smartScalingMode)
```

Specifies the scaling mode used for fitting the HTML contents to the print area.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
<div>☰</div> <ul style="list-style-type: none"> <li>• <b>default</b> This mode is based on the standard browser print functionality.</li> <li>• <b>disabled</b> No smart scaling is performed.</li> <li>• <b>viewport-fit</b> The viewport width fits the print area width.</li> <li>• <b>content-fit</b> The HTML contents width fits the print area width.</li> <li>• <b>single-page-fit</b> The whole HTML contents fits the print area of a single page.</li> </ul>		

```
public HtmlToPdfClient setScaleFactor(int scaleFactor)
```

Set the scaling factor (zoom) for the main page area.

Parameter	Description	Default
scaleFactor	The percentage value. The value must be in the range 10-500.	100

```
public HtmlToPdfClient setHeaderFooterScaleFactor(int headerFooterScaleFactor)
```

Set the scaling factor (zoom) for the header and footer.

Parameter	Description	Default
headerFooterScaleFactor	The percentage value. The value must be in the range 10-500.	100

```
public HtmlToPdfClient setDisableSmartShrinking(boolean disableSmartShrinking)
```

Disable the intelligent shrinking strategy that tries to optimally fit the HTML contents to a PDF page.

disableSmartShrinking	Set to <code>true</code> to disable the intelligent shrinking strategy.	false
-----------------------	---	-------

```
public HtmlToPdfClient setJpegQuality(int jpegQuality)
```

Set the quality of embedded JPEG images. A lower quality results in a smaller PDF file but can lead to compression artifacts.

Parameter	Description	Default
jpegQuality	The percentage value. The value must be in the range 1-100.	100

```
public HtmlToPdfClient setConvertImagesToJpeg(String convertImagesTo
```

Specify which image types will be converted to JPEG. Converting lossless compression image formats (PNG, GIF, ...) to JPEG may result in a smaller PDF file.

Parameter	Description	Default
convertImagesToJpeg	<div>The image category. Allowed values:<ul style="list-style-type: none"><li><code>none</code> No image conversion is done.</li><li><code>opaque</code> Only opaque images are converted to JPEG images.</li><li><code>all</code> All images are converted to JPEG images. The JPEG format does not support transparency so the transparent color is replaced by a PDF page background color.</li></ul></div>	none

```
public HtmlToPdfClient setImageDpi(int imageDpi)
```



higher than the actual image DPI, the original image DPI is retained (no upscaling is performed). Use 0 to leave the images unaltered.

Parameter	Description	Default
imageDpi	The DPI value. Must be a positive integer number or 0.	0

Examples:

- No change of the source image is done.

```
setImageDpi(0)
```

- Screen-only view lower DPI.

```
setImageDpi(72)
```

- Screen-only view recommended DPI.

```
setImageDpi(96)
```

- Ebook typical DPI.

```
setImageDpi(150)
```

- Printer standard DPI.

```
setImageDpi(300)
```

## PDF Format

Miscellaneous values for PDF output.

```
public HtmlToPdfClient setLinearize(boolean linearize)
```

Create linearized PDF. This is also known as Fast Web View.

Parameter	Description	Default
linearize	Set to <code>true</code> to create linearized PDF.	false

```
public HtmlToPdfClient setEncrypt(boolean encrypt)
```

Encrypt the PDF. This prevents search engines from indexing the contents.

Parameter	Description	Default
-----------	-------------	---------



```
public HtmlToPdfClient setUserPassword(String userPassword)
```

Protect the PDF with a user password. When a PDF has a user password, it must be supplied in order to view the document and to perform operations allowed by the access permissions.

Parameter	Description	Default
userPassword	The user password.	

```
public HtmlToPdfClient setOwnerPassword(String ownerPassword)
```

Protect the PDF with an owner password. Supplying an owner password grants unlimited access to the PDF including changing the passwords and access permissions.

Parameter	Description	Default
ownerPassword	The owner password.	

```
public HtmlToPdfClient setNoPrint(boolean noPrint)
```

Disallow printing of the output PDF.

Parameter	Description	Default
noPrint	Set to <code>true</code> to set the no-print flag in the output PDF.	false

```
public HtmlToPdfClient setNoModify(boolean noModify)
```

Disallow modification of the output PDF.

Parameter	Description	Default
noModify	Set to <code>true</code> to set the read-only only flag in the output PDF.	false



```
public HtmlToPdfClient setNoCopy(boolean noCopy)
```



Disallow text and graphics extraction from the output PDF.

Parameter	Description	Default
noCopy	Set to <code>true</code> to set the no-copy flag in the output PDF.	false

```
public HtmlToPdfClient setTitle(String title)
```

Set the title of the PDF.

Parameter	Description	Default
title	The title.	

```
public HtmlToPdfClient setSubject(String subject)
```

Set the subject of the PDF.

Parameter	Description	Default
subject	The subject.	

```
public HtmlToPdfClient setAuthor(String author)
```

Set the author of the PDF.

Parameter	Description	Default
author	The author.	

```
public HtmlToPdfClient setKeywords(String keywords)
```

Associate keywords with the document.

Parameter	Description	Default
<div> <div></div> </div>		

## Viewer Preferences

These preferences specify how a PDF viewer should present the document. The preferences may be ignored by some PDF viewers.

```
public HtmlToPdfClient setPageLayout(String pageLayout)
```


Specify the page layout to be used when the document is opened.

Parameter	Description	Default
pageLayout	<p>Allowed values:</p> <ul style="list-style-type: none"> <li><code>single-page</code> Display one page at a time.</li> <li><code>one-column</code> Display the pages in one column.</li> <li><code>two-column-left</code> Display the pages in two columns, with odd-numbered pages on the left.</li> <li><code>two-column-right</code> Display the pages in two columns, with odd-numbered pages on the right.</li> </ul>	

```
public HtmlToPdfClient setPageMode(String pageMode)
```

Specify how the document should be displayed when opened.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
	Full-screen mode.	
	• <code>thumbnails</code> Thumbnail images are visible.	
	• <code>outlines</code> Document outline is visible.	

```
public HtmlToPdfClient setInitialZoomType(String initialZoomType)
```

Specify how the page should be displayed when opened.

Parameter	Description	Default
<code>initialZoomType</code>	<p>Allowed values:</p> <ul style="list-style-type: none"> <li>• <code>fit-width</code> The page content is magnified just enough to fit the entire width of the page within the window.</li> <li>• <code>fit-height</code> The page content is magnified just enough to fit the entire height of the page within the window.</li> <li>• <code>fit-page</code> The page content is magnified just enough to fit the entire page within the window both horizontally and vertically. If the required horizontal and vertical magnification factors are different, use the smaller of the two, centering the page within the window in the other dimension.</li> </ul>	

```
public HtmlToPdfClient setInitialPage(int initialPage)
```

Display the specified page when the document is opened.

Parameter	Description	Default
<code>initialPage</code>	Must be a positive integer number.	

```
public HtmlToPdfClient setInitialZoom(int initialZoom)
```



Parameter	Description	Default
initialZoom	Must be a positive integer number.	

```
public HtmlToPdfClient setHideToolbar(boolean hideToolbar)
```

Specify whether to hide the viewer application's tool bars when the document is active.

Parameter	Description	Default
hideToolbar	Set to <code>true</code> to hide tool bars.	false

```
public HtmlToPdfClient setHideMenubar(boolean hideMenubar)
```

Specify whether to hide the viewer application's menu bar when the document is active.

Parameter	Description	Default
hideMenubar	Set to <code>true</code> to hide the menu bar.	false

```
public HtmlToPdfClient setHideWindowUi(boolean hideWindowUi)
```

Specify whether to hide user interface elements in the document's window (such as scroll bars and navigation controls), leaving only the document's contents displayed.

Parameter	Description	Default
hideWindowUi	Set to <code>true</code> to hide ui elements.	false

```
public HtmlToPdfClient setFitWindow(boolean fitWindow)
```

Specify whether to resize the document's window to fit the size of the first displayed page.

Parameter	Description	Default
-----------	-------------	---------



```
public HtmlToPdfClient setCenterWindow(boolean centerWindow)
```

Specify whether to position the document's window in the center of the screen.

Parameter	Description	Default
centerWindow		false
	Set to <code>true</code> to center the window.	

```
public HtmlToPdfClient setDisplayTitle(boolean displayTitle)
```

Specify whether the window's title bar should display the document title. If false , the title bar should instead display the name of the PDF file containing the document.

Parameter	Description	Default
displayTitle	Set to <code>true</code> to display the title.	false

```
public HtmlToPdfClient setRightToLeft(boolean rightToLeft)
```

Set the predominant reading order for text to right-to-left. This option has no direct effect on the document's contents or page numbering but can be used to determine the relative positioning of pages when displayed side by side or printed n-up

Parameter	Description	Default
rightToLeft	Set to <code>true</code> to set right-to-left reading order.	false

## Miscellaneous

```
public HtmlToPdfClient setDebugLog(boolean debugLog)
```

Turn on the debug logging. Details about the conversion are stored in the debug log. The URL of the log can be obtained from the [getDebugLogUrl](#) method or available in [conversion statistics](#).



debugLog

Set to `true` to enable the debug logging.

false

```
public String getDebugLogUrl()
```

Get the URL of the debug log for the last conversion.

Returns

- String - The link to the debug log.

```
public int getRemainingCreditCount()
```

Get the number of conversion credits available in your [account](#).

This method can only be called after a call to one of the convertXYZ methods.

The returned value can differ from the actual count if you run parallel conversions.

The special value `999999` is returned if the information is not available.

Returns

- int - The number of credits.

```
public int getConsumedCreditCount()
```

Get the number of credits consumed by the last conversion.

Returns

- int - The number of credits.

```
public String getJobId()
```

Get the job id.

Returns

- String - The unique job identifier.

```
public int getPageCount()
```

Get the total number of pages in the output document.

Returns



```
public int getOutputSize()
```

Get the size of the output in bytes.

Returns

- int - The count of bytes.

```
public HtmlToPdfClient setTag(String tag)
```

Tag the conversion with a custom value. The tag is used in [conversion statistics](#). A value longer than 32 characters is cut off.

Parameter	Description	Default
tag	A string with the custom tag.	

```
public HtmlToPdfClient setHttpProxy(String httpProxy)
```

A proxy server used by Pdfcrowd conversion process for accessing the source URLs with HTTP scheme. It can help to circumvent regional restrictions or provide limited access to your intranet.

Parameter	Description	Default
httpProxy	The value must have format DOMAIN_OR_IP_ADDRESS:PORT.	

Examples:

- `setHttpProxy("myproxy.com:8080")`
- `setHttpProxy("113.25.84.10:33333")`

```
public HtmlToPdfClient setHttpsProxy(String httpsProxy)
```

A proxy server used by Pdfcrowd conversion process for accessing the source URLs with HTTPS scheme. It can help to circumvent regional restrictions or provide limited access to your intranet.

Parameter	Description	Default
-----------	-------------	---------

Parameter	Description	Default
-----------	-------------	---------



Examples:

- `setHttpsProxy("myproxy.com:443")`
- `setHttpsProxy("113.25.84.10:44333")`

```
public HtmlToPdfClient setClientCertificate(String clientCertificate
```

A client certificate to authenticate Pdfcrowd converter on your web server. The certificate is used for two-way SSL/TLS authentication and adds extra security.

Parameter	Description	Default
clientCertificate	The file must be in PKCS12 format. The file must exist and not be empty.	

```
public HtmlToPdfClient setClientCertificatePassword(String clientCer
```

A password for PKCS12 file with a client certificate if it is needed.

Parameter	Description	Default
clientCertificatePassword		

## API Client Options

```
public HtmlToPdfClient setUseHttp(boolean useHttp)
```

Specifies if the client communicates over HTTP or HTTPS with Pdfcrowd API.

Parameter	Description	Default
useHttp	Set to <code>true</code> to use HTTP.	false



```
public HtmlToPdfClient setUserAgent(String userAgent)
```



Parameter	Description	Default
userAgent	The user agent string.	pdfcrowd_java_client/4.9.0 (http://pdfcrowd.com)

```
public HtmlToPdfClient setProxy(String host, int port, String userNa
```

Specifies an HTTP proxy that the API client library will use to connect to the internet.

Parameter	Description	Default
host	The proxy hostname.	
port	The proxy port.	
userName	The username.	
password	The password.	

```
public HtmlToPdfClient setRetryCount(int retryCount)
```

Specifies the number of retries when the 502 HTTP status code is received. The 502 status code indicates a temporary network issue. This feature can be disabled by setting to 0.

Parameter	Description	Default
retryCount	Number of retries wanted.	1



[Contact](#) | [About](#) | [Customers](#) | [Blog](#) | [FAQ](#) | [Twitter](#) | [Press](#)

Copyright © 2009-2019 pdfcrowd.com [Legal](#) | [Privacy](#)