



Processor



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# Create PDF Thumbnail Previews in Linux



PSPDFKit Processor has been deprecated and replaced by [Document Engine](#). To migrate to Document Engine and unlock advanced document processing capabilities, refer to our migration guide. Learn more about these enhancements on our [blog](#).

To create a page thumbnail, post a multipart request to the `/build` API endpoint, including the source document as the input and the `instructions` JSON.

Creating a thumbnail requires you to provide options with both the desired page index to render and the rendered dimensions via a `width`, `height`, or `dpi` option.

Only one option — `width`, `height`, or `dpi` — can be chosen. Other dimensions are calculated before rendering, so as to preserve the page aspect ratio of the rendered image.

The format of the rendered thumbnail can be controlled via a `format` option. Supported image formats are PNG, JPEG, WEBP, and TIFF.

Before you get started, make sure [Processor is up and running](#).

You can download and use either of the following sample documents for the examples in this guide:

✧ [Example eight-page PDF](#)

✧ [Example four-page PDF](#)



ASK AI

You'll be sending [multipart POST requests](#) with [instructions](#) to Processor's `/build` endpoint. To learn more about multipart requests, refer to our blog post on the topic, [A Brief Tour of Multipart Requests](#).

Check out the [API Reference](#) to learn more about the `/build` endpoint and all the actions you can perform on PDFs with PSPDFKit Processor.

## Creating a Thumbnail from a File on Disk

In this example, use the first page of the document to create a thumbnail. Send a multipart request to the `/build` endpoint, attaching an input file and the `instructions` JSON:

SHELL HTTP

```
1 curl -X POST http://localhost:5000/api/build \  
2   -F document=@/path/to/example-document.pdf \  
3   -F instructions='{  
4     "parts": [  
5       {  
6         "file": "document",  
7         "pages": {  
8           "start": 0,  
9           "end": 0  
10        }  
11      }  
12    ],  
13    "output": {  
14      "type": "image",  
15      "width": 200,  
16      "format": "png"  
17    }  
18  }' \  
19   -o result.pdf
```

## Creating a Thumbnail from a File from a URL

Send a multipart request to the `/build` endpoint, attaching a URL pointing to an input file and the `instructions` JSON:

SHELL HTTP

```
1 curl -X POST http://localhost:5000/api/build \  
2   -F document='{
```

```
3   "url": "https://pspdfkit.com/downloads/examples/paper.pdf"
4 }' \
5 -F instructions='{
6   "parts": [
7     {
8       "file": "document",
9       "pages": {
10        "start": 0,
11        "end": 0
12      }
13    }
14  ],
15  "output": {
16    "type": "image",
17    "width": 200,
18    "format": "png"
19  }
20 }' \
21 -o result.pdf
```

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Was this helpful?

✓ YES

✗ NO

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Questions? [Contact us](#)

