PDF Generation API

A powerful, easy-to-use API for generating PDF documents from HTML content or URLs.

Fork on GitHub | View Repository

Features

- Generate PDFs from URLs, raw HTML content, uploaded files, or data URLs
- Merge multiple PDFs/pages/images into a single PDF document
- Powered by Puppeteer and headless Chromium
- Serverless deployment ready
- Open source
- Customizable page header/footer, margins, page size/orientation, and page numbering

Get started

This hosted API is provided for demonstration purposes only. **Please fork the repository and deploy your own instance.**

This API is not versioned and breaking changes may occur, even if best effort is made to avoid them. Owning your deployment means you stay in control of updates and stability.

You can fork the repository on GitHub and deploy it to Vercel.

To generate a PDF, make a POST request to `/api/gen` with `html`, `urls` (page, PDF, or image URLs, or data URLs), and/or `files` (direct file uploads, 4 MB max) in the request body (JSON or form data). For JSON bodies, items are always merged in the fixed order `urls` `files` `html`, regardless of the order you write them in — for multipart form data, items are merged in the order the fields were submitted.

```
curl -X POST 'https://pdf.mathieutu.dev/api/gen' \
  --header 'Content-Type: application/json' \
  --output 'foo.pdf' \
  --data-raw '{
    "filename": "foo.pdf",
    "html": "<html><head><script src=\"https://cdn.tailwindcss.com\"></script></head><body
    "urls": [
      "https://pdf.mathieutu.dev",
      "https://www.troglos.fr/og-image.jpg",
      "https://pour-un-reveil-ecologique.org/documents/54/10_key_points_IPCC_1_2_and_3.pdf
    ],
    "pdfOptions": { "margin": {"top":"20mm","bottom":"16mm","left":"14mm","right":"14mm"},
  }'
```

You can also directly pass URLs as query parameters in a GET request: https://pdf.mathieutu.dev/api/gen?url=https://pdf.mathieutu.dev&url=https://www.troglos.fr/og-image.jpg&url=https://pour-un-reveil-ecologique.org/documents/54/10_key_points_IPCC_1_2_and_3.pdf

The response is always a single merged PDF document with `Content-Type: application/pdf`, whatever the mix or number of inputs.

A Docker image is published on GitHub Container Registry on every release. Pin the major tag (e.g. `1`) to get fixes and new features automatically while staying protected from breaking changes:

```
docker run -p 3000:3000 ghcr.io/mathieutu/pdf-gen:1
```

Framework Integrations

Laravel — example service to generate and merge PDFs from a Laravel app.

TypeScript — fluent client (Node & browser) built on the Fetch API.

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Trainer and pragmatic full-stack lead developer, currently open to short freelance assignments (let's talk!). Passionate about PHP and TypeScript, regular open-source contributor.

When I'm not in front of a screen, you'll usually find me cycling around Lyon, or in the surrounding mountains, where I spend a fair amount of time underground and under waterfalls...

pdf-gen is an open-source side project, born from the need for a simple, self-hostable API to generate and merge PDFs

without vendor lock-in or per-document pricing.

View contributors