

Typst Worker Demo

This Worker renders small Typst snippets to `svg`, `pdf`, or `png`.

API contract

Endpoints: GET `/`, `/svg`, `/pdf`, `/png`; POST `/`, `/svg`, `/pdf`, `/png`.

GET query:

```
GET https://typst-worker.paran3x.us/?code=...&format=svg|pdf|png&mode=markup|math|code
GET https://typst-worker.paran3x.us/svg|pdf|png?code=...&mode=markup|math|code
```

POST body:

```
{
  format?: "svg" | "pdf" | "png",
  mode: "markup" | "math" | "code",
  code: string,
}
```

`code` is required. `format` is required only on `/`; format paths override it. `mode` defaults to `markup` for GET and is required for POST.

GET returns the rendered artifact directly with `image/svg+xml`, `application/pdf`, or `image/png`. POST returns JSON:

```
{
  warnings: { message?: string, severity?: string }[],
  errors: { message?: string, severity?: string }[],
  body: string | null,
  content_type: "image/svg+xml" | "application/pdf" | "image/png" | null,
}
```

PDF and PNG bodies in POST responses are base64-encoded.

Examples

- SVG: [Open](#)

```
https://typst-worker.paran3x.us/?code=%3D%20Hello%20from%20Typst&format=svg
```

- PDF: [Open](#)

```
https://typst-worker.paran3x.us/pdf?code=x%5E2%20%2B%20y%5E2%20%3D%20z%5E2&mode=math
```

- PNG: [Open](#)

```
https://typst-worker.paran3x.us/png?code=set%20page(width%3A%20auto%2C%20height%3A%20auto)%3B%20text(24pt%2C%20repr(sys.version))&mode=code
```

POST SVG:

```
curl -X POST 'https://typst-worker.paran3x.us/svg' \
  -H 'content-type: application/json' \
  --data '{
    "mode": "markup",
    "code": "= Hello from Typst"
  }'
```

POST PDF with format in JSON:

```
curl -X POST 'https://typst-worker.paran3x.us/' \
-H 'content-type: application/json' \
--data '{
  "format": "pdf",
  "mode": "markup",
  "code": "= API response"
}'
```