Gotenberg Benchmark Comparison to Pandoc and LibreOffice

Gotenberg is a Docker-powered stateless API for PDF files. In other words:

It's a Docker image containing all the required dependencies; no need to install them on each environment.

It scales smoothly and works nicely in a distributed context.

It provides multipart/form-data endpoints for converting numerous document formats into PDF files, and more!

It has HTTP/2 support (H2C).

Examples:
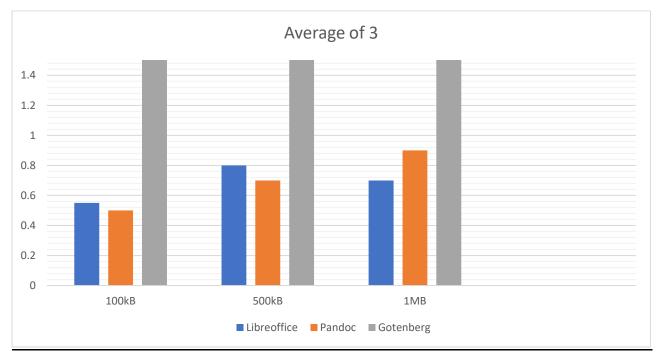
One file
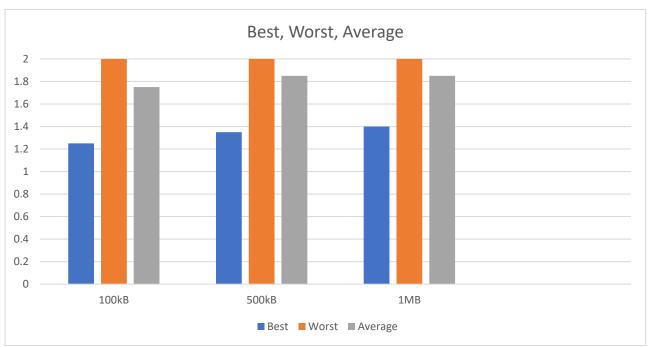
```
$ curl --request POST \
   --url http://127.0.0.1:3000 \
   --header 'Content-Type: multipart/form-data' \
   --form files=@file.docx \
   > result.pdf
```

Many files

```
$ curl --request POST \
   --url http://127.0.0.1:3000 \
   --header 'Content-Type: multipart/form-data' \
   --form files=@file.md \
   --form files=@file.html \
   --form files=@file.pdf \
   --form files=@file.docx \
   > result.pdf
```

Comparison

Average of 3

	100kB	500kB	1MB
Libreoffice	0.55	0.80	0.70
Pandoc	0.50	0.70	0.90
Gotenberg	1.49	1.49	1.49

Best, Worst, Average

	100kB	500kB	1MB
Best	1.25	1.35	1.40
Worst	2.0	2.0	2.0
Average	1.75	1.85	1.85

File-sample_100kB.docx

```
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performance%20Benchmarking/file-sample_100kB.docx"' \
-o my.pdf
> > >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70302  100 69962  100   340  58742    285  0:00:01  0:00:01 --:--:-- 59027
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performance%20Benchmarking/file-sample_100kB.docx"' \
-o my.pdf
> > >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70302  100 69962  100   340  31960    155  0:00:02  0:00:02 --:--:-- 32130
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performan> ce%20Benchmarking/file-sample_100kB.docx"' \
-o my.pdf
> >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70302  100 69962  100   340  31571    153  0:00:02  0:00:02 --:--:-- 31710
$
```

File-sample_500kB.docx

```
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performance%20Benchmarking/file-sample_500kB.docx"' \
-o my.pdf
> > >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70513  100 70173  100   340  58138    281  0:00:01  0:00:01 --:--:-- 58371
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performance%20Benchmarking/file-sample_500kB.docx"' \
-o my.pdf
> > >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70513  100 70173  100   340  62710    303  0:00:01  0:00:01 --:--:-- 63070
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performan> ce%20Benchmarking/file-sample_500kB.docx"' \
-o my.pdf
> >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70513  100 70173  100   340  31652    153  0:00:02  0:00:02 --:--:-- 31791
$
```

File-sample_1MB.docx

```
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performance%20Benchmarking/file-sample_1MB.docx"' \
-o my.pdf

> > >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70129  100 69791  100   338  31737    153  0:00:02  0:00:02 --:--:-- 31891
$ $ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performan> ce%20Benchmarking/file-sample_1MB.docx"' \
-o my.pdf

> >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70129  100 69791  100   338  31752    153  0:00:02  0:00:02 --:--:-- 31891
$ $
$ curl \
--request POST 'http://localhost:3000/forms/chromium/convert/url' \
--form 'url="https://github.com/mattkinnia/documentation/blob/doc/word-document-submission/docs/OnTrack/File%20Submission%20Enhancements/Word%20Do
cument%20Submission/Performance%20Benchmarking/file-sample_1MB.docx"' \
-o my.pdf

> > >   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 70129  100 69791  100   338  31551    152  0:00:02  0:00:02 --:--:-- 31703
$ $
```