

# HTTPSTAT to find out your website's performance

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## 1. What does the tool do?

HTTPSTAT is based on the [httptrace](#) GO package to provide information on HTTP events made by HTTP clients.

It measures HTTP request latency (DNSLookup, TCP Connection, TLS handshake time, Server Processing, Content Transfer and so on).

## 2. What are the tool's features?

- IPv4 and IPv6 are supported
- HTTP and HTTPS are supported, for self-signed certificates use -k.
- Skip timing the body of a response with -l.
- Follow 30x redirects with -L.
- Change HTTP method with -X METHOD.
- Provide a PUT or POST request body with -d string. To supply the PUT or POST body as a file, use -d @filename.
- Add extra request headers with -H 'Name: value'.
- The response body is usually discarded, you can use -o filename to save it to a file, or -O to save it to the file name suggested by the server.
- HTTP/HTTPS proxies supported via the usual HTTP\_PROXY/HTTPS\_PROXY env vars (as well as lower case variants).
- Supply your own client-side certificate with -E cert.pem.

### 3. How to use the tool?

You just run HTTPSTAT followed by the URL of the site you want to test. E.g: HTTPSTAT.EXE <https://www.pbnet.ro>

You can also use the following switches:

```
-4  resolve IPv4 addresses only
-6  resolve IPv6 addresses only
-E  string
    client cert file for tls config
-H  value
    set HTTP header; repeatable: -H 'Accept: ...' -H 'Range: ...'
-l  don't read body of request
-L  follow 30x redirects
-O  save body as remote filename
-X  string
    HTTP method to use (default "GET")
-d  string
    the body of a POST or PUT request; from file use @filename
-k  allow insecure SSL connections
-o  string
    output file for body
-v  print version number

ENVIRONMENT:
HTTP_PROXY  proxy for HTTP requests; complete URL or HOST[:PORT]
            used for HTTPS requests if HTTPS_PROXY undefined
HTTPS_PROXY proxy for HTTPS requests; complete URL or HOST[:PORT]
NO_PROXY   comma-separated list of hosts to exclude from proxy
```

## Example:

```
F:\Desktop\HTTPSTAT for Windows\Source\httpstat-1.1.0>HTTPSTAT.exe https://www.pbnet.ro

Connected to [2606:4700:3033::ac43:8d2f]:443

HTTP/2.0 200 OK
Server: cloudflare
Alt-Svc: h3=":443"; ma=86400, h3-29=":443"; ma=86400
CF-Cache-Status: DYNAMIC
CF-Ray: 75fb44868b81b71c-AMS
Content-Type: text/html; charset=UTF-8
Date: Tue, 25 Oct 2022 13:23:39 GMT
Link: <https://www.pbnet.ro/index.php?rest_route=/>; rel="https://api.w.org/", <https://www.pbnet.ro/index.php?rest_route=/wp/v2/pages/1045>; rel="alternate"; type="application/json", <https://wp.me/PanZp-gR>; rel=shortlink
Nel: {"success_fraction":0,"report_to":"cf-nel","max_age":604800}
Report-To: {"endpoints":[{"url":"https://a.nel.cloudflare.com/report/v3?s=uqYrNv2vc5GBZ%2BJtzahNGzZHVvCC06KICw0%2BzQebq19ew85x4kRMXDEExtUKpYh8n07AwavtS0s0F5jI9LBKxNbIjzS4CUyyiW4hh9rvbqS7yczXlUK9bpSj2bcyG1HhCjCGFDCfHLjbu7g%3D"}],"group":"cf-nel","max_age":604800}
X-Powered-By: PHP/8.1.11

Body discarded

DNS Lookup      TCP Connection  TLS Handshake   Server Processing  Content Transfer
[ 10ms |         46ms |         119ms |        2989ms |         76ms ]
  namelookup:10ms      connect:56ms      pretransfer:181ms  starttransfer:3171ms  total:3247ms
```