

# HTTP(S)

## Data Format

- Request
  - Method (GET / POST)
  - Version
  - Header
- Response
  - Version
  - Status Code (1xx, 2xx, 3xx ...)
  - Header (End with New Line)
  - Body

```
→ ~ curl mirumo.org -v
* Trying 185.199.109.153...
* TCP_NODELAY set
* Connected to mirumo.org (185.199.109.153) port 80 (#0)
> GET / HTTP/1.1
> Host: mirumo.org
> User-Agent: curl/7.64.1
> Accept: */*
>
< HTTP/1.1 200 OK
< Server: GitHub.com
< Content-Type: text/html; charset=utf-8
< Last-Modified: Fri, 03 Dec 2021 00:22:59 GMT
< Access-Control-Allow-Origin: *
< ETag: "61a96363-39d"
< expires: Fri, 03 Dec 2021 12:05:12 GMT
< Cache-Control: max-age=600
< x-proxy-cache: MISS
< X-GitHub-Request-Id: 6FAE:2FBE:1C95C7:23DFC1:61AA05A0
< Content-Length: 925
< Accept-Ranges: bytes
< Date: Fri, 03 Dec 2021 11:55:12 GMT
< Via: 1.1 varnish
< Age: 0
< Connection: keep-alive
< X-Served-By: cache-qpg1230-QPG
< X-Cache: MISS
< X-Cache-Hits: 0
< X-Timer: S1638532512.060199,VS0,VE247
< Vary: Accept-Encoding
< X-Fastly-Request-ID: 458d803c0268a2b1ac2cb338b781c56f23ab9f3f
<
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>咪路</title>
    <link rel="stylesheet" href="/static/css/index.css" />
  </head>
  <body>
    <nav>
      <a src="/">咪路</a>
      <ul>
        <li><a href="/about">About</a></li>
        <li class="list"><a href="/tools">Tools</a></li>
      </ul>
    </nav>
    <div id="container">
      
      <div class="link">
        <a href="https://github.mirumo.org" title="github"></a>
        <a href="https://ig.mirumo.org" title="instagram"></a>
        <a href="https://tg.mirumo.org" title="telegram"></a>
      </div>
    </div>
  </body>
</html>
```



# HTTP Methods

## GET / POST

- GET 方法會將資料放在網址上面傳出
- POST 方法會將資料放在 body 中來傳送

Send Request

```
GET /page.php?name=nptucsph&password=password HTTP/1.1  
Host: mirumo.org  
Accept: */*
```

###

Send Request

```
POST /page.php HTTP/1.1  
Host: mirumo.org  
Accrpt: */*
```

```
name=nptucsph
```

```
password=password
```