

The HTTP protocol: Response



The screenshot shows the 'Response' tab of a web browser's developer tools. The response is an HTTP/2 200 OK status. The headers include: Server: nginx, Date: Thu, 03 Nov 2022 02:35:29 GMT, Content-Type: text/html; charset=UTF-8, Content-Length: 120606, Strict-Transport-Security: max-age=63072000, X-Content-Type-Options: nosniff, Cache-Control: max-age=43200, public, X-Drupal-Dynamic-Cache: MISS, X-Ua-Compatible: IE=edge, Content-Language: en, X-Content-Type-Options: nosniff, X-Frame-Options: SAMEORIGIN, Permissions-Policy: interest-cohort=(), Expires: Sun, 19 Nov 1978 05:00:00 GMT, Last-Modified: Wed, 02 Nov 2022 19:44:35 GMT, Etag: "1667418275-gzip", Vary: Cookie, Accept-Encoding, X-Generator: Drupal 9 (https://www.drupal.org), X-Drupal-Cache: HIT, and Strict-Transport-Security: max-age=31536000. The body of the response starts with the HTML doctype declaration: <!DOCTYPE html>.

```
1 HTTP/2 200 OK \r \n
2 Server: nginx \r \n
3 Date: Thu, 03 Nov 2022 02:35:29 GMT \r \n
4 Content-Type: text/html; charset=UTF-8 \r \n
5 Content-Length: 120606 \r \n
6 Strict-Transport-Security: max-age=63072000 \r \n
7 X-Content-Type-Options: nosniff \r \n
8 Cache-Control: max-age=43200, public \r \n
9 X-Drupal-Dynamic-Cache: MISS \r \n
10 X-Ua-Compatible: IE=edge \r \n
11 Content-Language: en \r \n
12 X-Content-Type-Options: nosniff \r \n
13 X-Frame-Options: SAMEORIGIN \r \n
14 Permissions-Policy: interest-cohort=() \r \n
15 Expires: Sun, 19 Nov 1978 05:00:00 GMT \r \n
16 Last-Modified: Wed, 02 Nov 2022 19:44:35 GMT \r \n
17 Etag: "1667418275-gzip" \r \n
18 Vary: Cookie, Accept-Encoding \r \n
19 X-Generator: Drupal 9 (https://www.drupal.org) \r \n
20 X-Drupal-Cache: HIT \r \n
21 Strict-Transport-Security: max-age=31536000 \r \n
22 \r \n
23 \n
24 \n
25 \n
26 \n
27 <!DOCTYPE html> \n
28 <html lang="en" dir="ltr" prefix="content: http://purl.org/rss/1.0/modules/content/ dc: http://purl.org/dc/terms/ foaf:
```

- https://developer.mozilla.org/en-US/docs/Web/HTTP/Messages#http_responses

Stateless ...

- Authentication and Authorization managed via **session id** between the browser and the web application
- This session id should be **unique** and **unforgeable**
 - Stored in the cookie
- The session id is also stored and validated on the server