

# Ford's Notes: HTTP Response Status Codes

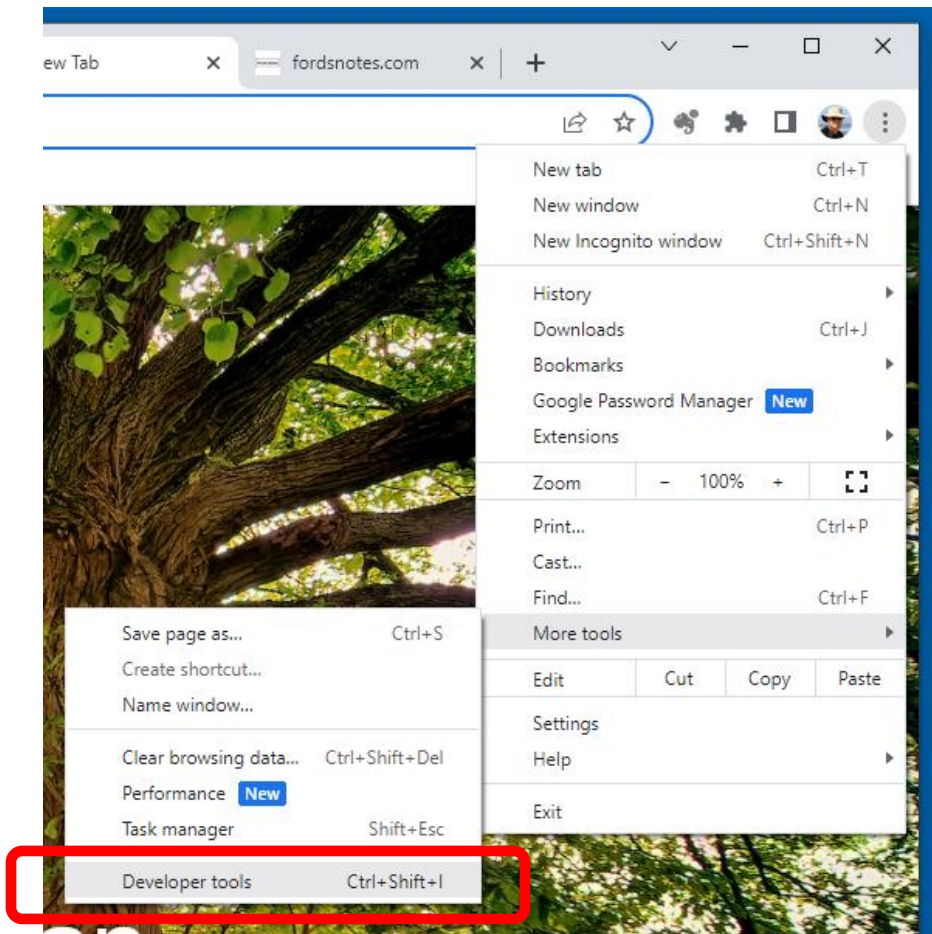
An HTTP response or status code is a server response to a browser's request that indicates how that request has been processed. There are five groups or bands of response codes, 100 through 500. The five bands are based on characteristics of the messages from informational (100) and successful acknowledgement (200) to codes that redirect connections (3)) and others describing various types of error conditions (400 and 500).

## Banding of HTTP Response Status Codes

Informational responses	100-199
Success responses	200-299
Redirects	300-399
Client errors	400-499
Server errors	500-599

A more detailed list of response codes appears below.

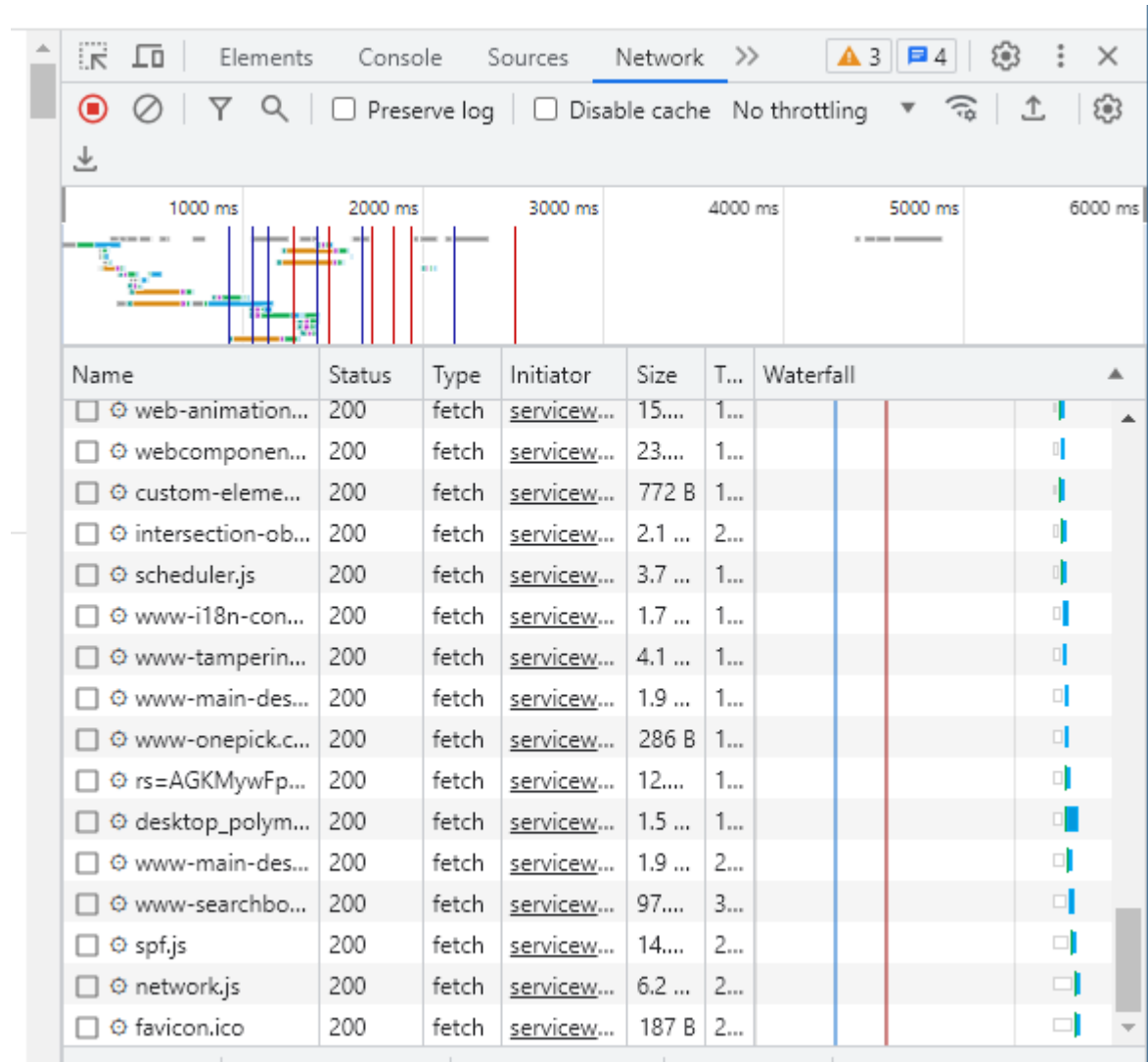
Response codes are viewed in web browsers using 'Developer tools'. Throughout this note I've included screenshots from Google Chrome Version 115.0.5790.102 (Official Build) (64-bit) running on Microsoft Windows 10 Pro.



1- Developer tools in Google Chrome

# Ford's Notes: HTTP Response Status Codes

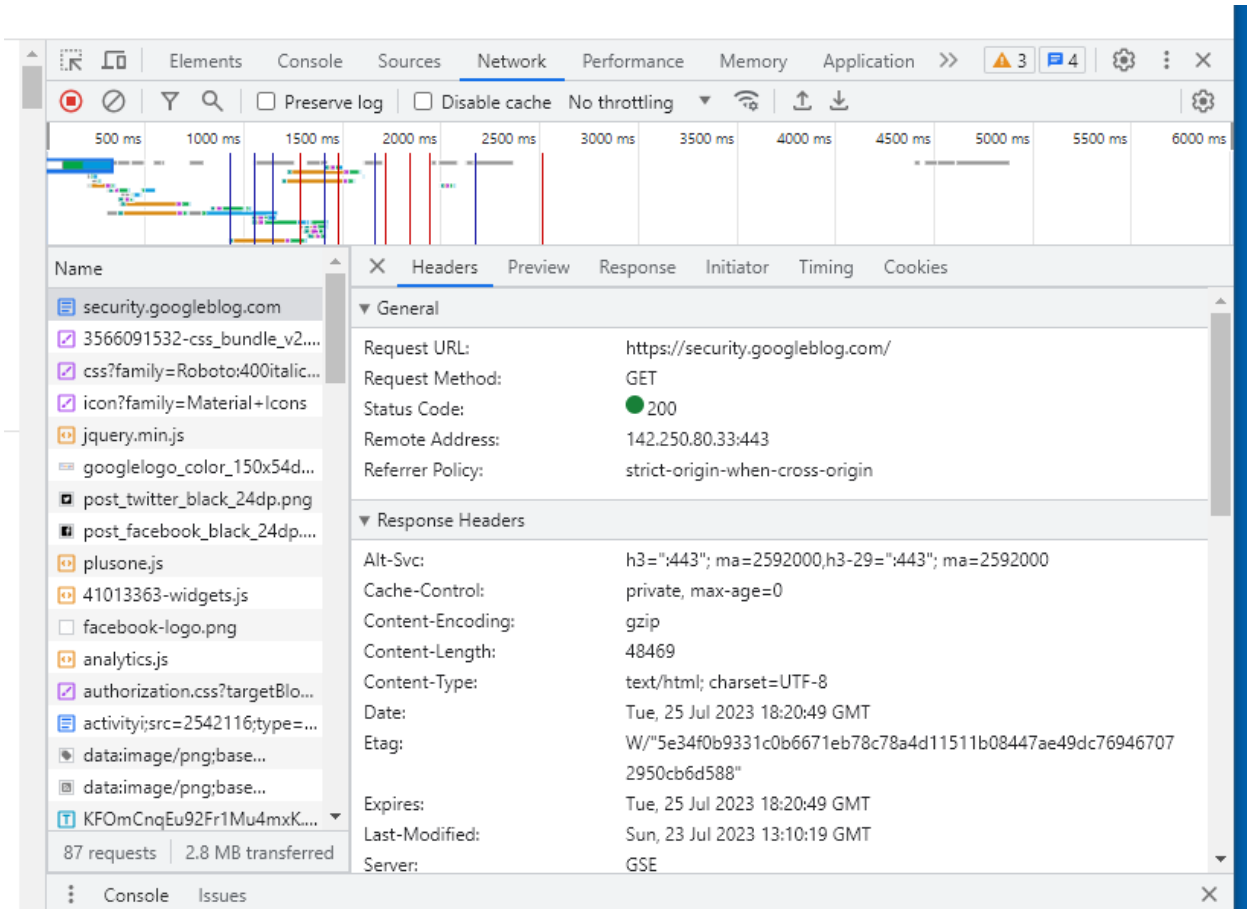
From Developer tools choose the 'Network' tab (underlined in blue in the figure below). The Network panel displays data needed to ensure that resources are being downloaded to or uploaded from the web browser and inspect the properties of those resources. The first line (starts with a stop symbol, red square within a circle) displays controls. Below is a timeline graphic displaying how resources loaded into the browser over time (in milliseconds). Below the timeline is a table displaying information about the resources loaded.



The table displays:

- Name of the resource.
- Status. The HTTP response code.
- Type. The resource type.
- Initiator. What caused a resource to be requested. The link in this column leads to the source code that caused the request.
- Time. How long the request took.

# Ford's Notes: HTTP Response Status Codes



The complete Chrome Network reference can be found at:

<https://developer.chrome.com/docs/devtools/network/>

## Detailed List of HTTP Response Codes

Response code	Message	Meaning of this message
100	Continue	Everything is OK.
200	OK	The request succeeded.
201	Created	Request succeeded and new resource created
300	Multiple Choices	The request has more than one possible response.
301	Moved Permanently	The URL of the requested resource has been changed permanently. The new URL is given in the response.
302	Found	The URI of requested resource has been changed temporarily.
307	Temporary Redirect	The requested resource is available at another URI with the same method that was used in the prior request.

## Ford's Notes: HTTP Response Status Codes

308	Permanent Redirect	The resource is now permanently located at another URI.
400	Bad Request	The server cannot process the request due to something that is perceived to be a client error.
401	Unauthorized	The client must authenticate itself to get the requested response.
403	Forbidden	The client has authenticated but does not have access rights to the content.
404	Not Found	The server cannot find the requested resource.
500	Internal Server Error	The server has encountered a situation it does not know how to handle.
503	Service unavailable	The server is not ready to handle the request.

From <https://developer.mozilla.org/en-US/docs/Web/HTTP/Status>