

ChatGPT - HTTP Status Codes Meaning

http status codes and its meaning

Here's a list of common HTTP status codes and their meanings, organized by categories:

1xx – Informational Responses

- **100 Continue:** The server has received the request headers and the client should proceed to send the request body.
- **101 Switching Protocols:** The requester has asked the server to switch protocols, and the server is acknowledging that request.
- **102 Processing:** Server has received and is processing the request, but no response is available yet.

2xx – Success

- **200 OK:** The request was successful, and the server returned the requested resource.
- **201 Created:** The request was successful, and the server created a new resource as a result.
- **202 Accepted:** The request has been accepted for processing, but the processing is not yet complete.
- **204 No Content:** The server successfully processed the request, but is not returning any content.

3xx – Redirection

- **301 Moved Permanently:** The requested resource has been permanently moved to a new URL.
- **302 Found (Temporary Redirect):** The requested resource has been temporarily moved to a different URL.
- **304 Not Modified:** The resource has not been modified since the last request, so the cached version can be used.
- **307 Temporary Redirect:** The requested resource resides temporarily at another URI.

4xx – Client Errors

- **400 Bad Request:** The server could not understand or process the request due to invalid syntax.
- **401 Unauthorized:** Authentication is required and has failed or has not yet been provided.
- **403 Forbidden:** The server understood the request but refuses to authorize it.
- **404 Not Found:** The requested resource could not be found on the server.
- **405 Method Not Allowed:** The HTTP method used is not allowed for the requested resource.
- **408 Request Timeout:** The server timed out waiting for the request.

5xx – Server Errors

- **500 Internal Server Error:** The server encountered an unexpected condition that prevented it from fulfilling the request.
- **501 Not Implemented:** The server does not support the functionality required to fulfill the request.
- **502 Bad Gateway:** The server received an invalid response from an upstream server.
- **503 Service Unavailable:** The server is currently unavailable (due to overload or maintenance).
- **504 Gateway Timeout:** The server did not receive a timely response from an upstream server.
- **505 HTTP Version Not Supported:** The server does not support the HTTP protocol version used in the request.

These codes are essential for understanding how a server and client (like a web browser) communicate during HTTP requests.