



HTTP Status Codes Cheat Sheet

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<https://johnbirchfield.net/http-status-codes-cheat-sheet/>

These HTTP status codes play a critical role in facilitating communication between clients and servers on the web. They provide essential information about request outcomes, guiding subsequent actions. Below is a categorized list of HTTP status codes, each accompanied by its individual definition.

1xx Informational

- **100 Continue:** The server received the initial part of the request, and the client should proceed with the rest of the request.
- **101 Switching Protocols:** The server agrees to switch protocols as requested by the client.
- **102 Processing:** The server received the request headers and is processing the request, but the process is not yet complete.
- **103 Early Hints:** The server is likely to send a final response with the headers included in the informational response.

2xx Success

- **200 OK:** The request has succeeded. The server fulfilled the request.
- **201 Created:** The system has fulfilled the request and created a new resource as a result.
- **202 Accepted:** The server accepted the request for processing, but it has not completed processing.
- **204 No Content:** The server successfully processed the request but will not return any content.
- **205 Reset Content:** The server received the request, but the client needs to reset the document view.
- **206 Partial Content:** The server delivered only part of the resource requested by the client, used when a browser only requests a portion of a page.
- **207 Multi-Status:** Provides status for multiple independent operations, allowing the client to understand the status of several operations in a single response.
- **208 Already Reported:** Members of a WebDAV binding have already been enumerated in a preceding part of the response and will not be included again.
- **226 IM Used:** The server fulfilled the request, but the response is a representation of the result of one or more instance-manipulations applied to the current instance.

3xx Redirection

- **300 Multiple Choices:** The request has multiple possible responses the client may follow.
- **301 Moved Permanently:** The requested resource or page has been permanently moved to a new location.
- **302 Found:** The requested resource temporarily resides at a different location.
- **304 Not Modified:** The response indicates that the server has not modified the resource since the version specified by the request headers, and so it returns no content.
- **307 Temporary Redirect:** The requested resource or page resides temporarily under a different URI.
- **308 Permanent Redirect:** The resource resides at a new permanent URL and all old URLs will point to the new URL.

4xx Client Error

- **400 Bad Request:** The server does not understand the request due to a client-side errors.
- **401 Unauthorized:** The request requires user authentication.
- **403 Forbidden:** The server refuses to authorize the request.
- **404 Not Found:** The server could not find the requested page or resource.
- **405 Method Not Allowed:** The resource does not allow the method specified in the request.
- **406 Not Acceptable:** The server cannot respond with the content type or language desired by the client.
- **407 Proxy Authentication Required:** The server requires authentication to access the requested resource via a proxy server.
- **408 Request Timeout:** The client took too long to complete the request and the server timed out.
- **409 Conflict:** The resource conflict prevented the completion of the request.
- **410 Gone:** The requested resource no longer exists on the server.

4xx Client Error (cont'd)

- **411 Length Required:** The server cannot accept the request without a defined Content-Length header.
- **412 Precondition Failed:** Conditions specified in the request header fields evaluated to false.
- **413 Request Entity Too Large:** The server refuses to process the request because the payload is larger than the server is willing or able to process.
- **414 URI Too Long:** The URI provided in the request is longer than the server is willing to interpret.
- **415 Unsupported Media Type:** The server denies the request due to an unsupported media type.
- **416 Range Not Satisfiable:** Indicates that the server cannot fulfill the request because the client has asked for a portion of the file that is not available or valid.
- **417 Expectation Failed:** The server cannot meet the conditions of the Expect request-header field.
- **418 I'm a teapot:** Code defined in the April Fools' Day RFC 2324 as an April Fools' joke. Servers should not implement it.
- **422 Unprocessable Entity:** The server understands the content type of the request entity but cannot process the contained instructions.
- **424 Failed Dependency:** The request failed due to another dependent action that failed.
- **426 Upgrade Required:** The server refuses to perform the action and requests switching to a different protocol.
- **428 Precondition Required:** The server requires the request to be conditional in order to process the request.
- **429 Too Many Requests:** The user has sent too many requests in a given amount of time.
- **431 Request Header Fields Too Large:** The server rejected the request because the header fields are too large.
- **444 No Response:** Status code used by Nginx to indicate that the server has closed the connection without sending any response to the client.
- **449 Retry With:** Microsoft servers use this status code to indicate that you should retry your request after taking the appropriate action.
- **450 Blocked by Windows Parental Controls:** Status code used by Microsoft servers to indicate that Windows Parental Controls have blocked access to a resource.
- **451 Unavailable For Legal Reasons:** The server refuses to serve the request due to legal reasons.
- **499 Client Closed Request:** This status code commonly used by Nginx to indicate that the client closed the connection before receiving the server's response.

5xx Server Error

- **500 Internal Server Error:** A generic error message indicating something has gone wrong on the server's end.
- **501 Not Implemented:** The server does not support the feature requested by the user.
- **502 Bad Gateway:** The server received an invalid HTTP response from an upstream server.
- **503 Service Unavailable:** The server cannot handle the request due to temporary overload or maintenance.
- **504 Gateway Timeout:** The server did not receive a timely response from the upstream server while acting as a gateway or proxy.
- **505 HTTP Version Not Supported:** The server does not support the HTTP protocol version sent in the request.
- **506 Variant Also Negotiates:** The server has an internal configuration error and cannot complete the request.
- **507 Insufficient Storage:** The server is unable to complete the request due to a lack of storage space.
- **508 Loop Detected:** The server detected an infinite loop while processing the request and terminated it.
- **509 Bandwidth Limit Exceeded:** Status code not defined in the HTTP standard and it indicates that the client has exceeded the allocated bandwidth limit.
- **510 Not Extended:** Indicates the request needs further extensions for the server to fulfill it.
- **511 Network Authentication Required:** The client must first authenticate before gaining network access.
- **598 Network read timeout error:** Status code used by some non-standard proxies to indicate that the connection to the origin server timed out while waiting for a response.
- **599 Network connect timeout error:** Some non-standard proxies use the status code to indicate that they could not establish a connection to the origin server within the timeout period.