

# KNOW YOUR HTTP STATUS

HTTP status codes are returned in the response. They each consist of a three digit numerical code and a text description (the text description is simply advisory, and may be translated to other languages). The codes are categorized such that general classes of errors have the same most-significant digit, so if a client does not recognize a status code it may still infer the code’s category.

## 1XX Informational

| Status Code             | Description  |
|-------------------------|--|
| 100 Continue            | The server has received the request headers, and the client should begin to send the request body              |
| 101 Switching Protocols | The server has received a request to switch protocols and is doing so  |
| 102 Processing (WebDAV) | Indicates that the server has received the request, used by WebDAV to avoid timeouts for long-running requests |

## 2XX Success

| Status Code                       | Description   |
|-----------------------------------|---|
| 200 OK                            | Standard response for successful HTTP requests  |
| 201 Created                       | The request was successful, <i>and</i> a new resource has been created  |
| 202 Accepted                      | The request was accepted for processing, but the job hasn’t actually been completed. It is possible that the request will be rejected once processing takes place |
| 203 Non-Authoritative Information | The request was successfully processed, but the returned information may be from an untrusted third party   |
| 204 No Content                    | The request was processed and no content is being returned  |
| 206 Partial Content               | Only part of the request body is being delivered (for example, when resuming an interrupted download)   |
| 207 Multi-Status (WebDAV)         | The message body is an XML document and may contain multiple status codes per sub-requests  |
| 208 Already Reported (WebDAV)     | The response has already been enumerated in a previous reply and will not be reported again   |

## 3XX Redirection

| Status Code            | Description  |
|------------------------|--|
| 300 Multiple Choices   | Indicates that there are multiple locations which the client may follow  |
| 301 Moved Permanently  | The resource has moved permanently, and all future requests should use the give URL instead  |
| 302 Found              | The resource has been found (or moved temporarily). The HTTP/1.0 specification requires that the redirect uses the same verb, but in practice clients use a GET as in a 303. See 303 and 307 |
| 303 See Other          | The resource has been found, and should be accessed using a GET method. Added in HTTP/1.1 to clarify the ambiguity in the behavior of status 302. See 302 and 307                            |
| 304 Not Modified       | The resource has not been modified since the last time the client has cached it  |
| 305 Use Proxy          | The resource should be accessed through a specified proxy  |
| 307 Temporary Redirect | The request should be repeated with the same request method at the given address. Added in HTTP/1.1 to clarify the ambiguity in the behavior of status 302. See 302 and 303                  |

## 4XX Client Error

| Status Code  | Description  |
|--|--|
| 400 Bad Request                                      | The request can not be fulfilled because the request contained bad syntax  |
| 401 Unauthorized                                     | The client needs to authenticate in order to access this resource  |
| 402 Payment Required                                 | This code is intended to be used for a micropayment system, but the specifics for this system are unspecified and this code is rarely used         |
| 403 Forbidden  | The client is not allowed to access this resource. Generally, the client is authenticated and does not have sufficient permission                  |
| 404 Not Found  | The resource was not found, though its existence in the future is possible   |
| 405 Method Not Allowed                               | The method used in the request is not supported by the resource  |
| 406 Not Acceptable                                   | The server can not generate content which is acceptable to the client according to the request’s “Accept” header                                   |
| 407 Proxy Authentication Required                    | The client must authenticate with the proxy  |
| 408 Request Timeout                                  | The client did not complete its request in a reasonable timeframe  |
| 409 Conflict   | The request could not be completed due to a conflict in state (for example, attempting to update a resource when it has changed since last access) |
| 410 Gone   | The resource is gone, and will always be gone; the client should not request the resource again  |
| 411 Length Required                                  | The request is missing its “Content-Length” header, which is required by this resource   |
| 412 Precondition Failed                              | The server can not meet preconditions specified in the client request  |
| 413 Request Entity Too Large                         | The request body is larger than the server will process  |
| 414 Request-URI Too Long                             | The request URI is too long for the server to process  |
| 415 Unsupported Media Type                           | The server can not process the request body because it is of an unsupported MIME type  |
| 416 Requested Range Not Satisfiable                  | The client has asked for portion of a file that the server can not supply (ie, a range of bytes outside the size of the requested file)            |
| 417 Expectation Failed                               | The server can not meet the requirements of the “Expect” header in the request   |
| 418 I’m a teapot (HTCPCP)                            | Returned by teapots implementing the HyperText Coffee Pot Control Protocol   |
| 420 Enhance Your Calm (Twitter)                      | The client is being rate-limited; a reference to cannabis culture  |
| 422 Unprocessable Entity (WebDAV)                    | The server can not process the request due to semantic errors  |
| 423 Locked (WebDAV)                                  | The resource is currently locked   |
| 424 Failed Dependency (WebDAV)                       | The request failed because of a previously-failed request  |
| 429 Too Many Requests                                | The client is being rate-limited   |
| 431 Request Header Fields Too Large                  | Either a single request header is too large, or all the header fields as a group are too large   |
| 444 No Response (Nginx)                              | Used in Nginx logs. Indicates that the server closed the connection without sending any response whatsoever  |
| 449 Retry With (Microsoft)                           | The request should be retried after performing some action   |
| 450 Blocked by Windows Parental Controls (Microsoft) | Windows Parental Controls are turned on and are blocking access to the resource  |
| 451 Unavailable For Legal Reasons (Internet Draft)   | Intended to be used when a resource is being censored or blocked; a reference to Fahrenheit 451  |

## 5XX Server Error

| Status Code                       | Description  |
|-----------------------------------|--|
| 500 Internal Server Error         | A generic server error message, for when no other more specific message is suitable                              |
| 501 Not Implemented               | The server can not process the request method  |
| 502 Bad Gateway                   | The server is a gateway or proxy, and received a bad response from the upstream server (such as a socket hangup) |
| 503 Service Unavailable           | The resource is temporarily unavailable, usually because it is overloaded or down for maintenance                |
| 504 Gateway Timeout               | The server is a gateway or proxy, and the upstream server did not respond in a reasonable timeframe              |
| 505 HTTP Version Not Supported    | The server does not support the request’s specified HTTP version   |
| 507 Insufficient Storage (WebDAV) | The server is out of storage space and can not complete the request  |
| 508 Loop Detected (WebDAV)        | The server has detected an infinite loop while processing the request  |
| 509 Bandwidth Limit Exceeded      | A convention used to report that bandwidth limits have been exceeded, and not part of any RFC or spec            |