HTTP response status codes

HTTP response status codes indicate whether a specific HTTP request has been successfully completed. Responses are grouped in five classes:

1. Informational responses (1XX) – the request was received, continuing process
2. Successful responses (2XX) – the request was successfully received, understood, and accepted
3. Redirection messages (3XX) – further action needs to be taken in order to complete the request
4. Client error responses (4XX) – the request contains bad syntax or cannot be fulfilled
5. Server error responses (5XX) – the server failed to fulfil an apparently valid request

Informational responses (1xx)

An informational response indicates that the request was received and understood. It is issued on a provisional basis while request processing continues. It alerts the client to wait for a final response. The message consists only of the status line and optional header fields, and is terminated by an empty line. As the HTTP/1.0 standard did not define any 1xx status codes, servers must not send a 1xx response to an HTTP/1.0 compliant client except under experimental conditions.

- 100 Continue
- 101 Switching Protocols
- 102 Processing

Successful responses (2xx)

This class of status codes indicates the action requested by the client was received, understood, and accepted.

- 200 OK
- 201 Created
- 202 Accepted
- 203 Non-Authoritative Information
- 204 No Content
- 205 Reset Content
- 206 Partial Content
- 207 Multi-Status
- 208 Already Reported
- 226 IM Used

Redirection responses (3xx)

This class of status code indicates the client must take additional action to complete the request. Many of these status codes are used in URL redirection.[2]

A user agent may carry out the additional action with no user interaction only if the method used in the second request is GET or HEAD. A user agent may automatically redirect a request. A user agent should detect and intervene to prevent cyclical redirects.

- 300 Multiple Choices
- 301 Moved Permanently
- 302 Found
- 303 See Other
- 304 Not Modified
- 305 Use Proxy
- 306 Switch Proxy
- 307 Temporary Redirect
- 308 Permanent Redirect

Client error responses (4xx) (1/2)

This class of status code is intended for situations in which the error seems to have been caused by the client. Except when responding to a HEAD request, the server should include an entity containing an explanation of the error situation, and whether it is a temporary or permanent condition. These status codes are applicable to any request method. User agents should display any included entity to the user.

- **400** Bad Request
- **401** Unauthorized
- **402** Payment Required
- **403** Forbidden
- **404** Not Found
- **405** Method Not Allowed
- **406** Not Acceptable
- **407** Proxy Authentication Required
- **408** Request Timeout
- **409** Conflict
- **410** Gone
- **411** Length Required
- **412** Precondition Failed

Client error responses (4xx) (2/2)

This class of status code is intended for situations in which the error seems to have been caused by the client. Except when responding to a HEAD request, the server should include an entity containing an explanation of the error situation, and whether it is a temporary or permanent condition. These status codes are applicable to any request method. User agents should display any included entity to the user.

- 413 Payload Too Large
- 414 URI Too Long
- 415 Unsupported Media Type
- 416 Range Not Satisfiable
- 417 Expectation Failed
- 422 Unprocessable Entity
- 426 Upgrade Required
- 428 Precondition Required
- 429 Too Many Requests
- 431 Request Header Fields Too Large
- 451 Unavailable For Legal Reasons

Server error responses (5xx)

Response status codes beginning with the digit "5" indicate cases in which the server is aware that it has encountered an error or is otherwise incapable of performing the request. Except when responding to a HEAD request, the server should include an entity containing an explanation of the error situation, and indicate whether it is a temporary or permanent condition. Likewise, user agents should display any included entity to the user. These response codes are applicable to any request method.

- 500 Internal Server Error
- 501 Not Implemented
- 502 Bad Gateway
- 503 Service Unavailable
- 504 Gateway Timeout
- 505 HTTP Version Not Supported
- 506 Variant Also Negotiates
- 507 Insufficient Storage
- 508 Loop Detected
- 510 Not Extended
- 511 Network Authentication Required