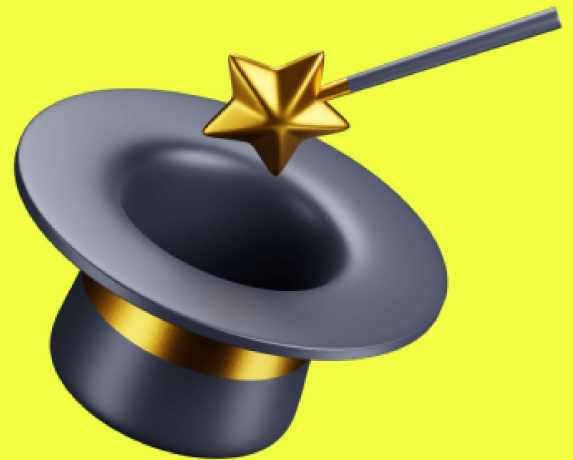




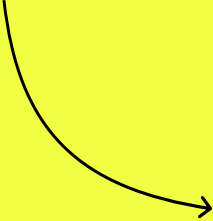
# The Ultimate Guide to HTTP Status Codes

**63 Codes** You  
Should Always  
Know

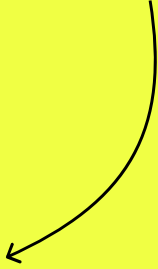




# HTTP Status Codes



HTTP response codes are **three-digit numbers** that provide information about the status of a request made to a web server. They help to indicate whether the request was successful, and if not, why not.



The **Internet Assigned Numbers Authority (IANA)** is the organization responsible for maintaining the registry of HTTP response codes. They define the codes and ensure that they are used consistently across the internet.



# HTTP Request Methods



HTTP defines request methods to indicate the **desired action for a resource**.

Here are the 9 important request methods:

- **GET** retrieves data from a specified resource.
- **HEAD** retrieves data from a specified resource without returning the body of the response.
- **POST** sends data to a server to create a new resource.
- **PUT** updates an existing resource with new data.
- **DELETE** removes a specified resource.
- **OPTIONS** retrieves the HTTP methods that the server supports.
- **TRACE** traces the request message across the network path to the server.
- **PATCH** applies partial modifications to a resource.
- **CONNECT** establishes a tunnel connection to a server.



# HTTP Status Codes

Here is the complete list of HTTP status codes.

## 1XX Informational

- 100 (Continue)
- 101 (Switching Protocols)
- 102 (Processing)
- 103 (Early Hints)

## 2XX Successful

- 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)



# HTTP Status Codes

## 3XX Redirection

- 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)

## 4XX Client Error

- 400 (Bad Request)
- 401 (Unauthorized)
- 402 (Payment Required)
- 403 (Forbidden)
- 404 (Not Found)
- 405 (Method Not Allowed)
- 406 (Not Acceptable)
- 407 (Proxy Authentication Required)



# HTTP Status Codes

## 4XX Client Error

- 408 (Request Timeout)
- 409 (Conflict)
- 410 (Gone)
- 411 (Length Required)
- 412 (Precondition Failed)
- 413 (Payload Too Large)
- 414 (URI Too Long)
- 415 (Unsupported Media Type)
- 416 (Range Not Satisfiable)
- 417 (Expectation Failed)
- 418 (I'm a Teapot)
- 421 (Misdirected Request)
- 422 (Unprocessable Entity)
- 423 (Locked)
- 424 (Failed Dependency)
- 425 (Too Early)
- 426 (Upgrade Required)
- 428 (Precondition Required)
- 429 (Too Many Requests)



# HTTP Status Codes

## 4XX Client Error

- 431 (Request Header Fields Too Large)
- 451 (Unavailable for Legal Reasons)

## 5XX Server Error

- 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)



# 1XX Informational

## 100 Continue

Server has received initial part of request, and will send a final response once it processes the full content.

## 101 Switching Protocols

Server understands the request to change application protocol and will comply if advantageous.

## 102 Processing

Server has received full request and is processing it, no response yet as it has not completed.

## 103 Early Hints

Used with Link header to allow browser to preload resources while server is preparing a response.





# 2XX Successful

200 OK

Request has succeeded, meaning depends on request method (GET, HEAD, POST, PUT, DELETE, OPTIONS, TRACE).

201 Created

Server has completed request, creating one or more new resources identified by Location header or target URI.

202 Accepted

Server has accepted request for processing but is not finished yet, intended for batch processing.

203 Non-authoritative Information

Request was successful, but transforming proxy changed information before sending to browser.



# 2XX Successful

## 204 No Content

Server has completed request but there is no additional content to send in response.

## 205 Reset Content

Server has fulfilled request and user should reset document view to its original state.

## 206 Partial Content

Server is responding to request for only part of a resource, response includes Content-Range header indicating range or multipart/byteranges Content-Type with Content-Range fields for each part.



# 2XX Successful

## 207 Multi-Status

Conveys status of multiple resources, HTTP entity with multi-status root element, used in success/partial/failure situations.

## 208 Already Reported

Used inside DAV:propstat response element to prevent repeatedly enumerating internal members of multiple bindings to same collection.

## 226 IM Used

Server has fulfilled request for resource, returning it in the body of the message and a representation of the result after applying the request's pre-condition.



# 3XX Redirection

## 300 Multiple Choices

Server has multiple options for the resource that the client can choose from.

## 301 Moved Permanently

Resource has been permanently moved to new URI, future references should use new URI.

## 302 Found

Resource has been temporarily moved to new URI, future references should use original URI.



# 3XX Redirection

## 303 See Other

Response to request can be found at another URI, new URI is not a substitute reference for original one.

## 304 Not Modified

Resource has not been modified since last requested, can use cached copy of resource.

## 305 Use Proxy

Must use a proxy to access the resource, location of the proxy is provided in the response.



# 3XX Redirection

## 306 Switch Proxy

No longer used, originally used to switch proxy.

## 307 Temporary Redirect

Resource has been temporarily moved to new URI, future references should use original URI.

## 308 Permanent Redirect

Resource has been permanently moved to new URI, future references should use new URI.



# 4XX Client Error

## 400 Bad Request

Request could not be understood by server due to malformed syntax.

## 401 Unauthorized

Requires user authentication to access resource.

## 402 Payment Required

Reserved for future use, not currently used.

## 403 Forbidden

Server understands request but refuses to authorize it.

## 404 Not Found

Requested resource could not be found on server.



# 4XX Client Error

## 405 Method Not Allowed

Request method not supported by resource.

## 406 Not Acceptable

Resource is only capable of generating response that is not acceptable according to Accept headers.

## 407 Proxy Authentication Required

Client must authenticate itself with the proxy to access resource.

## 408 Request Timeout

Server did not receive complete request in time to process it.





# 4XX Client Error

## 409 Conflict

Request could not be completed due to a conflict with current state of resource.

## 410 Gone

Resource is no longer available and it is likely permanent.

## 411 Length Required

Request did not specify the length of its content, which is required by the resource.

## 412 Precondition Failed

Server does not meet one of the preconditions that the requester put on the request.



# 4XX Client Error

## 413 Payload Too Large

Request is larger than the server is able to process.

## 414 URI Too Long

Request URI is too long for the server to process.

## 415 Unsupported Media Type

Request body is in a format that the server does not support.

## 416 Range Not Satisfiable

Server cannot provide the portion of the resource requested in the Range header.



# 4XX Client Error

## 417 Expectation Failed

Server cannot meet the requirements of the Expect request header.

## 418 I'm a Teapot

HTTP Extension Framework extension code, used to indicate that the server is a teapot and cannot brew coffee (for example).

## 421 Misdirected Request

Request was directed at a server that is not able to produce a response.

## 422 Unprocessable Entity

Request was well-formed, but semantic errors prevent it from being processed.



# 4XX Client Error

## 423 Locked

Resource that the request is attempting to modify is locked.

## 424 Failed Dependency

Request failed due to failure of a previous request (e.g. a PROPPATCH).

## 425 Too Early

Server is unwilling to risk processing a request that might be replayed.

## 426 Upgrade Required

Client should switch to a different protocol (such as TLS/1.0).



# 4XX Client Error

## 428 Precondition Required

Server requires the request to be conditional.

## 429 Too Many Requests

Client has sent too many requests in a given amount of time.

## 431 Request Header Fields Too Large

Server is unwilling to process the request because its header fields are too large.

## 451 Unavailable for Legal Reasons

Client requests a resource that has been removed due to legal reasons, such as a blocked site or page.



# 5XX Server Error

## 500 Internal Server Error

Server encountered an unexpected condition that prevented it from fulfilling the request.

## 501 Not Implemented

Server does not support the functionality required to fulfill the request.

## 502 Bad Gateway

Server received an invalid response from an upstream server while attempting to fulfill the request.

## 503 Service Unavailable

Server is currently unable to handle the request due to a temporary overload or maintenance.



# 5XX Server Error

## 504 Gateway Timeout

Server did not receive a timely response from an upstream server while attempting to fulfill the request.

## 505 HTTP Version Not Supported

Server does not support the HTTP protocol version used in the request.

## 506 Variant Also Negotiates

Server has an internal configuration error: transparent content negotiation for the request results in a circular reference.

## 507 Insufficient Storage

Server is unable to store the representation needed to complete the request.



# 5XX Server Error

## 508 Loop Detected

Server detected an infinite loop while processing the request (WebDAV).

## 510 Not Extended

Further extensions to the request are required for the server to fulfill it (RFC 2774).

## 511 Network Authentication Required

Client needs to authenticate to access the network.

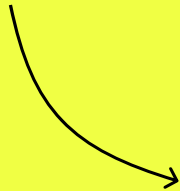




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