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Safe Methods

* Client does not request, and does not expect any state change on the origin server as a result of applying the method to a target resource; i.e. method’s semantics is essentially read-only.
* GET, HEAD, OPTIONS, TRACE

Idempotent Methods

* Intended effect on the server of multiple identical requests with the method is the same as the effect of a single such request.
* GET, HEAD, OPTIONS, TRACE, PUT, DELETE

Cacheable Methods

* GET, HEAD, POST
* Indicates that the response to a method is allowed to be stored for future use.

HTTP Status Codes

Informational (1xx)

* 100 Continue
* 101 Switching Protocols

Success (2xx)

* 200 Ok
* 201 Created
* 202 Accepted
* 203 Non-Authoritative Information
* 204 No Content
* 205 Reset Content
* 206 Partial Content

Redirection (3xx)

* 300 Multiple Choices
* 301 Moved Permanently
* 302 Found
* 303 See Other
* 304 Not Modified
* 305 Use Proxy
* 306 (Unused)
* 307 Temporary Redirect

Client Error (4xx)

* 400 Bad Request
* 401 Unauthorized
* 402 Payment Required
* 403 Forbidden
* 404 Not Found
* 405 Method Not Allowed
* 406 Not Acceptable
* 407 Proxy Authenticate Required
* 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
* 426 Upgrade Required

Server Error (5xx)

* 500 Internal Server Error
* 501 Not Implemented
* 502 Bad Gateway
* 503 Service Unavailable
* 504 Gateway Timeout
* 505 HTTP Version Not Supported

General Header Fields

* Cache-Control
* Connection
* Date
* Pragma
* Trailer
* Transfer-Encoding
* Upgrade
* Via
* Warning

Request Header Fields

* Accept
* Accept-Charset
* Accept-Encoding
* Authorization
* Expect
* From
* Max-Forwards
* Proxy-Authorization
* Range
* Referrer
* Host
* If-Math
* If-Modified-Since
* If-Range
* If-None-Match
* If-Unmodified-Since
* TE
* User-Agent

Response Header Fields

* Accept-Ranges
* Age
* Etag
* Location
* Proxy-Authenticate
* Retry-After
* Server
* Vary
* WWW-Authenticate

Entity Header Fields

* Allow
* Content-Encoding
* Content-Language
* Content-Location
* Content-MDS
* Content-Range
* Content-Type
* Expires
* Last-Modified

HTTP Extensions

* HTTP can be extended by defining new request methods, message, headers, and/or status codes, and then implementing servers and/or clients that make sure of the new functionality
* Ex. WebDAV (Web Distributed Authoring and Versioning); Request Methods – PROPFIND, PROPPATCH, MKCOL, COPY, etc.; Message Headers – DAV, Depth, Destination, If, Lock-Token, Overwrite, Timeout, etc.; Status Codes – (207) Multi Status, (422) Unprocessable Entity, (423) Locked, (424) Failed Dependency, (507) insufficient storage.

Content Negotiation

* An HTTP client can negotiate for the resource that it prefers using the Accept, Accept-Charset, Accept-Encoding and Accept-Language Headers.
* An HTTP Server can advertise the availability of the resource alternatives using the Vary Header.