


## HTTP

A networking protocol for distributed, collaborative, hypermedia information systems a foundation for communications for the World Wide Web, defined by RFC 2616 in June 1999

## Methods

Method	Safe	Idempotent	Cachable
GET	✓	✓	✓
HEAD	✓	✓	✓
POST	*		
PUT	✓		✓
DELETE	✓		
OPTIONS	✓		
PATCH	*		
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## Headers

Accept-Charset: utf-8  
Accept-Encoding: gzip  
Accept-Language: en-US  
Accept-Ranges: Range  
Accept: Media-Type;q=0.1,...  
Age: 12  
Allow: Method, Method  
Authorization: Basic Base64  
Cache-Control: no-cache  
Connection: close  
Content-Disposition: attachment; filename=f.txt  
Content-Encoding: gzip  
Content-Language: da  
Content-Length: 348  
Content-Location: /index.htm  
Content-MD5: Base64  
Content-Range: Range  
Content-Type: Media-Type  
Cookie: Text  
Date: Date  
ETag: "Etag"

Expect: 100-continue  
Expires: Date  
From: user@email.com  
Host: en.wikipedia.org  
If-Match: "Etag"  
If-Modified-Since: Date  
If-None-Match: "Etag"  
If-Range: "Etag"  
If-Unmodified-Since: Date  
Last-Modified: Date  
Location: URI  
Max-Forwards: 10  
Pragma: no-cache  
Proxy-Authenticate: Basic  
Proxy-Authorization: Basic  
Base64  
Range: Range  
Referer: URI  
Retry-After: 120  
Server: Apache/1.3.27 (Debian)  
Set-Cookie: Text  
TE: trailers, deflate;q=0.5  
Trailer: Max-Forwards  
Transfer-Encoding: chunked  
Upgrade: SHHTTP/1.3, IRC/6.9

424 Failed Dependency—failed due to a previous failed request  
425 Unordered Collection  
426 Upgrade Required—switch to a different protocol, e.g. TLS  
449 Retry With—external action required  
450 Blocked by Parental Controls

## 5.. Server Error

500 Internal Server Error  
501 Not Implemented  
502 Bad Gateway—error from upstream server  
503 Service Unavailable  
504 Gateway Timeout  
505 HTTP Version Not Supported  
506 Variant Also Negotiates—circular reference  
507 Insufficient Storage  
509 Bandwidth Limit Exceeded—informal  
510 Not Extended—mandatory extension not implemented

404 Not Found—may be available later  
405 Method Not Allowed  
406 Not Acceptable—content cannot satisfy Accept headers  
407 Proxy Authentication Required  
408 Request Timeout  
409 Conflict—edit conflict  
410 Gone—resource never available again  
411 Length Required—missing header  
412 Precondition Failed—unable to satisfy headers  
413 Request Entity Too Large  
414 Request-URI Too Long  
415 Unsupported Media Type—request contains an unsupported media-type  
416 Requested Range Not Satisfiable  
417 Expectation Failed—expect request-invalid portion of representation  
418 I'm a teapot—defined by RFC 2324  
422 Unprocessable Entity—request contains semantic errors  
423 Locked

User-Agent: Mozilla/5.0 (Mac)  
Vary: \*  
Via: 1.0 ted, 1.1 nowhere.com  
WWW-Authenticate: Basic  
Warning: Text  
  
Base64: ZWlFzdXJllg==  
Date: Tue, 15 Nov 1994 08:12:31 GMT  
Etag: 737060cd8c284d8qf7ad8f582d  
Range: bytes=0-99999  
URI: scheme:herarchy?query#fragment

## Media-Types

application/json  
application/atom+xml  
audio/mpeg  
image/png  
text/html  
text/plain  
text/xml; charset=utf-8

3.. Redirection  
300 Multiple Choices—response links to representations of the resource  
301 Moved Permanently—redirect all future requests  
302 Found—processed, results temporarily at another URI  
303 See Other—processed, results found at another URI  
304 Not Modified—resource unchanged since last request  
305 Use Proxy—has security issues  
306 Switch Proxy—has security issues  
307 Temporary Redirect—request should be repeated at another URI  
  
4.. Client Error  
400 Bad Request—syntax error  
401 Unauthorized—authentication possible  
402 Payment Required—Reserved  
403 Forbidden—authenticating will make no difference

## 1.. Informational

100 Continue—server received headers, client should send body  
101 Switching Protocols—request to switch protocols accepted  
102 Processing—server is processing a multi-part request

## 2.. Success

200 OK—representation of resource or results of the action  
201 Created—new resource  
202 Accepted—processing not completed  
203 Non-Authortative Information—information may be from another source  
204 No Content—empty response  
205 Reset Content—empty response, requester clears cache  
206 Partial Content—part of the resource following request range header  
207 Multi-Status—message body contains response codes