





APPENDIX F

HTTP Status Codes

The HyperText Transfer Protocol (HTTP) is an application-level protocol for distributed, collaborative, hypermedia information systems. It is a generic, stateless protocol that can be used for many tasks (e.g., name servers and distributed object management systems) beyond its use for hypertext through extension of its request methods, error codes, and headers. An important feature of HTTP is the typing and negotiation of data representation, which allows systems to be built independently of the data being transferred.

HTTP/1.0 is described in RFC 1945. HTTP/1.1 is the latest version of the specification, and as of this writing HTTP/1.1 is covered in RFC 2616.

Only a small subset of HTTP response codes usually is used when writing mod_perl applications, but sometimes you need to know others as well. We will list the codes here. Their names are fairly self-explanatory, but you can find extended explanations in the appropriate RFC (see section 9 in RFC 1945 and section 10 in RFC 2616). You can always find the latest links to these RFCs at the World Wide Web Consortium's site, http://www.w3.org/Protocols/.

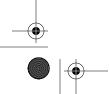
While HTTP/1.1 is widely supported, HTTP/1.0 still remains the mainstream standard. Therefore, we will supply a summary for each version, including the corresponding Apache constants.

In mod_perl, these constants can be accessed via the Apache::Constants package (e.g., to access the HTTP_OK constant, use Apache::Constants::HTTP_OK). See the Apache::Constants manpage for more information.

HTTP/1.0 Status Codes

Successful 2xx:

200 HTTP_OK 201 HTTP_CREATED

















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202 HTTP ACCEPTED
204 HTTP_NO_CONTENT
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Redirection 3xx:

300 HTTP MOVED PERMANENTLY 301 HTTP MOVED TEMPORARILY 302 HTTP_SEE_OTHER 304 HTTP_NOT_MODIFIED

Client Error 4xx:

400 HTTP_BAD_REQUEST 401 HTTP_UNAUTHORIZED 403 HTTP FORBIDDEN 404 HTTP_NOT_FOUND

Server Error 5xx:

500 HTTP_INTERNAL_SERVER_ERROR 501 HTTP_NOT_IMPLEMENTED 502 HTTP_BAD_GATEWAY 503 HTTP_SERVICE_UNAVAILABLE

HTTP/1.1 Status Codes

Informational 1xx:

100 HTTP_CONTINUE 101 HTTP_SWITCHING_PROTOCOLS

Successful 2xx:

200 HTTP OK 201 HTTP CREATED 202 HTTP ACCEPTED 203 HTTP NON AUTHORITATIVE 204 HTTP_NO_CONTENT 205 HTTP_RESET_CONTENT 206 HTTP_PARTIAL_CONTENT

Redirection 3xx:

300 HTTP MULTIPLE CHOICES 301 HTTP MOVED PERMANENTLY 302 HTTP MOVED TEMPORARILY 303 HTTP_SEE_OTHER 304 HTTP_NOT_MODIFIED 305 HTTP USE PROXY 307 HTTP_TEMPORARY_REDIRECT



















Client Error 4xx:

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400 HTTP BAD REQUEST
401 HTTP UNAUTHORIZED
402 HTTP PAYMENT REQUIRED
403 HTTP FORBIDDEN
404 HTTP NOT FOUND
405 HTTP_METHOD_NOT_ALLOWED
406 HTTP NOT ACCEPTABLE
407 HTTP_PROXY_AUTHENTICATION_REQUIRED
408 HTTP_REQUEST_TIMEOUT
409 HTTP CONFLICT
410 HTTP_GONE
411 HTTP_LENGTH REQUIRED
412 HTTP PRECONDITION FAILED
413 HTTP REQUEST ENTITY TOO LARGE
414 HTTP REQUEST URI TOO LARGE
415 HTTP UNSUPPORTED MEDIA TYPE
416 HTTP_RANGE_NOT_SATISFIABLE
417 HTTP_EXPECTATION_FAILED
Server Error 5xx:
500 HTTP INTERNAL SERVER ERROR
501 HTTP NOT IMPLEMENTED
502 HTTP BAD GATEWAY
503 HTTP SERVICE UNAVAILABLE
504 HTTP_GATEWAY_TIME_OUT
505 HTTP_VERSION_NOT_SUPPORTED
```

References

All the information related to web protocols can be found at the World Wide Web Consortium's site, http://www.w3.org/Protocols/.

There are many mirrors of the RFCs all around the world. One of the good starting points is *http://www.rfc-editor.org/*.

