



IETF 83 - HTTPbis -16/-17/-18/ -19 Changes Overview

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History

- -16: published August 2011 (after IETF 81)
- -17: published November 2011 (before IETF 82, WG did not meet)
- -18: published January 2012
- -19: published March 2012 (before IETF 83)

Working Group Last Call for Parts 4, 5, 6, and 7 started March 15, ends April 12

Changes - General

- Document HTTP's error-handling philosophy ([Ticket 186](#))
- effective request URI: handling of request-target * ([Ticket 222](#))

Changes - Messaging

- Keep-Alive and Proxy-Connection headers ([Ticket 158](#))
- Retrying Requests ([Ticket 297](#))
- Define non-final responses ([Ticket 300](#))
- closing the connection on server error ([Ticket 318](#))
- Intermediary rewriting of queries ([Ticket 324](#))
- chunk-extensions ([Ticket 343](#))

...plus many editorial improvements

Changes - Syntax

- Explain header registration ([Ticket 215](#))
- Considerations for new headers ([Ticket 231](#))
- \-escaping in quoted strings ([Ticket 270](#))
- does etag value really use quoted-string ([Ticket 306](#))
- header field considerations: quoted-string vs use of double quotes ([Ticket 329](#))
- wording of line folding rule ([Ticket 335](#))

Changes - Status Codes

- Clarify status code for rate limiting ([Ticket 255](#))
- Strength of requirements on Accept re: 406 ([Ticket 285](#))
- expand definition of 413 for header field size limits? ([Ticket 299](#))
- 400 response isn't generic ([Ticket 303](#))
- clarify that 201 doesn't require Location header fields ([Ticket 331](#))
- relax requirements on hypertext in 3/4/5xx error responses ([Ticket 332](#))
- example for 426 response should have a payload ([Ticket 333](#))

...also say "Hello" to 428 (Precondition Required), 429 (Too Many Requests), 431 (Request Header Fields Too Large) and 511 (Network Authentication Required) -- defined in [draft-nottingham-http-new-status-04](#), now in RFC Editor Queue

Changes - Redirects

- Redirects and non-GET methods ([Ticket 160](#))
- Requirements for user intervention during redirects ([Ticket 238](#))
- Applying original fragment to "plain" redirected URI ([Ticket 295](#))
- clarify 303 redirect on HEAD ([Ticket 310](#))
- When are Location's semantics triggered? ([Ticket 325](#))

...also say "Hello" to 308 (Permanent Redirect), -- defined in [draft-reschke-http-status-308-06](#), past IETF LC

Changes - Method Semantics

- message-body in CONNECT response ([Ticket 250](#))
- Content-Range on responses other than 206 ([Ticket 301](#))

Changes - Payload

- Location header payload handling ([Ticket 185](#))
- is ETag a representation header field? ([Ticket 330](#))
- Content-Location doesn't constrain the cardinality of representations ([Ticket 338](#))

Changes - Conditionals/Range

- Security consideration: range flooding ([Ticket 175](#))
- If-Range should be listed when dicussing contexts where L-M can be considered strong ([Ticket 304](#))
- Add limitations to Range to reduce its use as a denial-of-service tool ([Ticket 311](#))
- case sensitivity of ranges in p5 ([Ticket 319](#))

Changes - Caching

- Refining age for 1.1 proxy chains ([Ticket 212](#))
- Combining HEAD responses ([Ticket 227](#))
- Motivate one-year limit for Expires ([Ticket 290](#))
- Interaction of request and response Cache-Control ([Ticket 293](#))
- SHOULD and MAY review in p6 ([Ticket 313](#))
- Cache-Control directive case sensitivity ([Ticket 317](#))
- Field names in cache-control header arguments ([Ticket 337](#))

Changes - Authentication

- Relationship between 401, Authorization and WWW-Authenticate ([Ticket 78](#))
- Realm required on challenges ([Ticket 177](#))
- auth-param syntax ([Ticket 195](#))
- Considerations for new authentications schemes ([Ticket 257](#))
- LWS in auth-param ABNF ([Ticket 287](#))
- credentials ABNF missing SP (still using implied LWS?) ([Ticket 309](#))
- allow unquoted realm parameters ([Ticket 314](#))
- add advice on defining auth scheme parameters ([Ticket 320](#))
- Repeating auth-params ([Ticket 321](#))
- recipient behavior for new auth parameters ([Ticket 334](#))
- WWW-Authenticate ABNF slightly ambiguous ([Ticket 342](#))

Changes - IANA/Registries

- warn-code registry ([Ticket 274](#))
- "Close" should be reserved in the HTTP header field registry ([Ticket 305](#))
- need to reserve "negotiate" as auth scheme name ([Ticket 308](#))
- make IANA policy definitions consistent ([Ticket 346](#))

Changes - Process-Related

- move RFCs 2145, 2616, 2817 to Historic status ([Ticket 254](#))
- Revise Acknowledgements Sections ([Ticket 219](#))
- intended maturity level vs normative references ([Ticket 323](#))