IETF 80 - HTTPbis -13 Changes Overview

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History

- -09: published March 2010 (before IETF 77)
- -10: published July 2010 (before IETF 78)
- -11: published August 2010 (after IETF 78)
- -12: published October 2010 (before IETF 79, WG did not meet)
- -13: published March 2011 (before IETF 80)

Changes: relations to other specifications (1/2)

RFC 2145 (Use and Interpretation of HTTP Version Numbers)

- RFC2145 Normative (Ticket 75)

-> Part 1 now obsoletes RFC 2145

RFC 2617 (HTTP Authentication: Basic and Digest Access Authentication)

- should we have an auth scheme registry (Ticket 141)
- absorbing the auth framework from 2617 (Ticket 237)

-> Part 7 now updates RFC 2617 with respect to the authentication framework, and introduces an authentication scheme registry

Changes: relations to other specifications (2/2)

RFC 2817 (Upgrading to TLS Within HTTP/1.1)

- Migrate Upgrade details from RFC2817 (Ticket 240)
- Migrate CONNECT from RFC2817 to p2 (Ticket 239)

-> Part 1 and 2 now update RFC 2817 (defining CONNECT, and updating the Upgrade header field)

Changes: terminology and ABNF

- Clarify "Requested Variant" ([Ticket 69](#))
- Clarify entity / representation / variant terminology ([Ticket 109](#))
- duplicate ABNF for Reason-Phrase ([Ticket 137](#)) (editorial)
- define "transparent" proxy ([Ticket 210](#)) (editorial)
- duplicate ABNF for "Method" ([Ticket 275](#)) (editorial)
- untangle ABNFs for header fields ([Ticket 276](#)) (editorial)

-> We now create an aggregated ABNF from the source code of the specs

Changes: extension points

- Custom Ranges ([Ticket 85](#))
- Max-Forwards vs extension methods ([Ticket 203](#))
- Allowing heuristic caching for new status codes ([Ticket 223](#))
- proxies not supporting certain methods ([Ticket 226](#)) (editorial)
- Considerations for new status codes ([Ticket 229](#))
- Considerations for new methods ([Ticket 230](#))
- Is * usable as a request-uri for new methods? ([Ticket 233](#))

Other Changes (1/5)

non-specific

- 205 Bodies (Ticket 88)

- HTTP(s) URI scheme definitions (Ticket 159)

- Note special status of Content-* prefix in header registration procedures (Ticket 180) (editorial)

- Status codes and caching (Ticket 199)

- Header Classification (Ticket 224)

Other Changes (2/5)

Part 1 (Messaging)

- Delimiting messages with multipart/byteranges (Ticket 90)
- Trailer requirements (Ticket 193)
- What is the value space of HTTP status codes? (Ticket 213)
- confusing Date requirements for clients (Ticket 248)

Other Changes (3/5)

Part 2 (Semantics)

- Connection closing (Ticket 28) (editorial)
- Fragment combination / precedence during redirects (Ticket 43)
- Content-* vs. PUT (Ticket 79)
- Understanding Content-* on non-PUT requests (Ticket 102)
- Monitoring connections (Ticket 108) (editorial)
- Methods and Caching (Ticket 139)
- Are OPTIONS and TRACE safe? (Ticket 171)
- User-Agent guidelines (Ticket 232)
- clarify PUT semantics (Ticket 267)

Other Changes (4/5)

Part 3 (Payload)

- confusing req. language for Content-Location ([Ticket 136](#)) (editorial)
- "requested resource" in content-encoding definition ([Ticket 183](#))

Part 5 (Range)

- Caches can't be required to serve ranges ([Ticket 217](#))

Other Changes (5/5)

Part 6 (Cache)

- No-cache definition ([Ticket 216](#))
- Does no-store in request imply no-cache? ([Ticket 249](#))
- Clarify "public" ([Ticket 268](#))

Part 7 (Auth)

- auth-param syntax ([Ticket 195](#))

Changes: housekeeping

- MIME-Version not listed in P1, general header fields ([Ticket 122](#)) (editorial)

- Factor out Content-Disposition ([Ticket 123](#))

- introduction to part 7 is work-in-progress ([Ticket 130](#)) (editorial)

- consider removing the "changes from 2068" sections ([Ticket 220](#)) (editorial)

- update RFC 2109 reference ([Ticket 279](#)) (editorial)