Cookies: HTTP State Management Mechanism draft-ietf-httpbis-rfc6265bis-10

Nov 7, 2022

Changes: -10 draft

- Standardize Max-Age/Expires upper bound: [#1732](), [#1980]()
  - Expiry date now SHOULD be capped at 400 days in the future
- Expand on privacy considerations and third-party cookies: [#1878]()
  - Expands spec's opinion on the privacy concerns of cookies
- Specify that no decoding of Set-Cookie line should occur: [#1902]()
  - UA should not attempt to decode percent encoded character
- Require ASCII for domain attributes: [#1969]()
  - The value of the Domain attribute must be a string of ASCII characters
- Editorial Changes:
  - [#1789](), [#1858](), [#2069]()

Recent changes since -10

- Remove note to ignore Domain attribute with trailing dot: #2087, #2092
  - Correction that trailing '.'s should be ignored
- Remove an inadvertent change to cookie-octet: #2090
  - For 2 years servers were incorrectly advised to include %x80-FF
- Remove note regarding cookie serialization: #2165
  - The note wasn't quite correct and could be better handled by the HTML spec
- Add case insensitivity note to Set-Cookie Syntax: #2167
  - Clarify that attribute names are case insensitive
- Add note not to send invalid cookies due to public suffix list changes: #2215
  - Discourage sending cookies that are part of a public suffix
- Add warning to not send nameless cookies: #2220
  - Discourage nameless cookies of any sort
- Improved max-age attribute parsing: #2214
  - Notes that values are base 10. Handle missing and invalid values.

Recent changes since -10 Continued

- Offload Service Worker SFC computation to spec: [#2217](#)
- Compare cookie name prefixes case-insensitively: [#2236](#)
- Prevent nameless cookies with prefixed value: [#2251](#)
- Editorial Change: [#2244](#)

Current Issue Status

3 open issues

- Currently in Scope
  - Same-Site cookies and redirects: [#2104](#)
    - Enforcement of same-site redirect chains results in copious site breakage
  - internal whitespace in cookie names and values: [#2262](#)
  - The spec should more clearly advise which parts a reader should implement: [#2229](#)
- An additional 18 deferred issues

Post RFC6265bis Work

- Cookies Having Independent Partitioned State (CHIPS)
- Cookie Spec Layering