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