HTTP Proxy-Status Parameter for Next-Hop Aliases

draft-ietf-httpbis-alias-proxy-status

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Why next hop aliases?

Proxy status already communicates next hop info

Currently, just a single item (name, alias, or IP address)

Detecting when a proxy connection has resolved to a known tracker, etc, via CNAME cloaking is useful for clients
Proxy connection

CONNECT: example.com

200
Proxy-Status: Proxy; next-hop="2001:db8::1"
DNS Success
CNAME / IP cloaking

CONNECT: example.com

200
Proxy-Status: Proxy; next-hop="2001:db8::1";
next-hop-aliases="tracker.example"
Parameter definition

next-hop-aliases

Structure field string

Comma-separated list of alias and canonical names from CNAME records

Percent-encoding escaping (for rare cases)

May contain the empty string to indicate no CNAME records
Open (editorial) issues

#2476 Add reference to structured fields

#2358 Refer to AI_CANONNAME

AI_CANONNAME *does not* give you the results needed for the full chain, so this is more of a cautionary reference
Next steps

Any other changes?

WGLC after next revision?