CoRE: target attribute registry

November 7, 2022 (Monday), 13:00-15:00 UTC
draft-bormann-core-target-attr-01.txt

RFC 6690 (link-format):
target attributes

RFC 6690 defines registries for values of rt= and if=, but not attribute names themselves -- free reign.
Base spec RFC 5988 ("Web linking") says:

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This specification does not attempt to coordinate
their names or use, but does provide common target attributes
for use in the Link HTTP header.
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So RFC 6690 did not, either.

RFC 8288

RFC 8288 replaces RFC 5988, now says:

> Those creating and maintaining serialisations SHOULD
> coordinate their target attributes to avoid conflicts
> in semantics or syntax and MAY define their own
> registries of target attributes.

So, let's finally do this!

new sub-registry for Target Attributes

in the CoRE Parameters registry

policy: "expert review" (Section 4.5 of RFC 8126).

Instructions to Designated Expert:
- be frugal in allocation of "very short" (?) names
- "specification desired"
- [a-z][-a-z0-9]*

pre-fill

— href, anchor, rel, rev: reserved (not useful as target attribute names)

— hreflang, media, title: Defined by RFC 8288 (Web Linking)

— rt, if, sz: RFC 6690 (link-format), ct: RFC 7252 (CoAP)

— obs: RFC 7641 (observe), jct: RFC 8075 (http mapping)

— osc: FRC 8613 (oscore)

— method, csuite, cred_t, idcred_t, ead_1, ead_2, ead_3, ead_4:
draft-ietf-core-oscore-edhoc (Race to completion!)

— comb_req sec-gp app-gp hkdf cred_fmt sign_enc_alg sign_alg,
sign_alg_crv sign_key_kty sign_key_crv alg ecdh_alg ecdh_alg_crv,
ecdh_key_kty ecdh_key_crv det_hash_alg rekeying_scheme:
draft-tiloca-core-oscore-discovery (probably to be registered there)

next steps

— adopt
— WGLC
— profit