CoRE: target attribute registry

November 7, 2022 (Monday), 13:00-15:00 UTC
draft-bormann-core-target-attr-01.txt
RFC 6690 defines registries for values of rt= and if=, but not attribute names themselves -- free reign. Base spec RFC 5988 ("Web linking") says:

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

So RFC 6690 did not, either.
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]*
— 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: RFC 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 credFmt 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