

DNS over CoAP (DoC) “Bundle”

`draft-ietf-core-dns-over-coap`

`draft-ietf-core-coap-dtls-alpn`

`draft-lenders-core-dnr`

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Updates since IETF 120

`draft-ietf-core-dns-over-coap`

- WGLC; Addressed reviews by Carsten, Esko, Marco, and Mikolai
 - Clarify that any OpCode beyond 0 is not supported for now

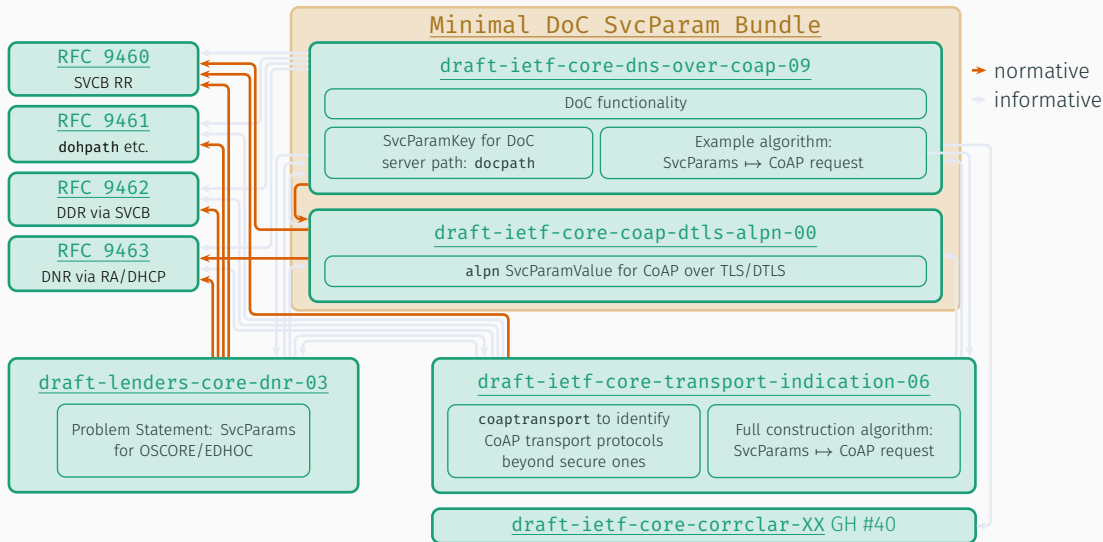
`draft-ietf-core-coap-dtls-alpn`

- WGLC; Addressed reviews by Esko and Marco

`draft-lenders-core-dnr`

- Add example scenarios:
 - NDP-discovered DoC server with EDHOC credentials
 - DHCP-discovered DoC server with ACE details
- Broaden objectives for ACE profiles

The Minimum DoC SvcParam Bundle



Discovery of Network-designated OSCORE-based Resolvers: Problem Statement

- Sharpen into two (possibly independent) main topics:
 - a*: Lead DoC client to do object security
 - b*: Help DoC client to find security context
 - Example for $a \wedge \neg b$: EDHOC with WebPKI (“TLS-like EDHOC”)

Review by OSCORE/EDHOC/ACE experts appreciated!

Porting DoC to Unbound DNS resolver:

- Based on libcoap:
 - ⇒ CoAPS support
 - ⇒ OSCORE support
- Originally implemented for a Bachelor thesis \approx 1 year ago
- Done: Rebase to current Unbound master and code cleanup
- Goal for the week: Get into merge-ready shape
(Conceptual cleanups and tests missing)

digdoc DoC client support for Fedora