

CoAP Transport Indication

`ietf-core-transport-indication-07`

Christian Amsüss, Martine Lenders

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What this document is about

- Describe how different CoAP transports can be used (automatically).
- Describe path forward on coap+... schemes.

This is a prerequisite for new standardized transports!¹

¹WIP: CoAP-over-GATT. Pondering in RIOT OS: CoAP-over-CAN. In use: CoAP-over-MQTT.

Recent changes

- Restructuring
- Proxies are key; discoverable through
 - ▶ Links
 - ▶ SVCB (now claimed more boldly)
 - ▶ ... or whatever else is around for a transport
- Unified `_coap` service (was `_coaps` and `_coap`)

Steps to completion

- Find input for what are toss-up questions so far
 - ▶ `_coap.dev.example.com` IN SVCB or `dev.example.com` IN COAP?
 - ▶ `alpn` or new `coaptransport` for non-TLS transports?
- Jettison slowdown parts?
 - ▶ SVCB parameters `edhoc-cred/-info` and `oauth-hints`
 - ▶ “IP literal with extra data” appendix
Would leave small gap in future IP based transport story.
 - ▶ “Related applications” appendix

Next steps

- Gather WG input.
- Finalize down document based on that.