## CoAP Transport Indication

ietf-core-transport-indication-06

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### Goals

- Enablement of transport discovery
- 2 No Aliasing
- Optimization (no cost per request)
- Proxy usability
- Proxy announcement
  - Give way forward after coap:// and coap+tcp diverged

## Recent changes worth discussing

- Scope of has-proxy relation
- A lot about SVCB

# Open question: Scope of has-proxy

#### "only through link relations"

- URIs regarded as opaque
- Relations are explicit
- Allows to exclude indvidiual resources from transport indication
- Uses RFC 6690 rel=hosts which is not very clear
- Hard to keep track of what works where

VS.

### "Applies per Origin"

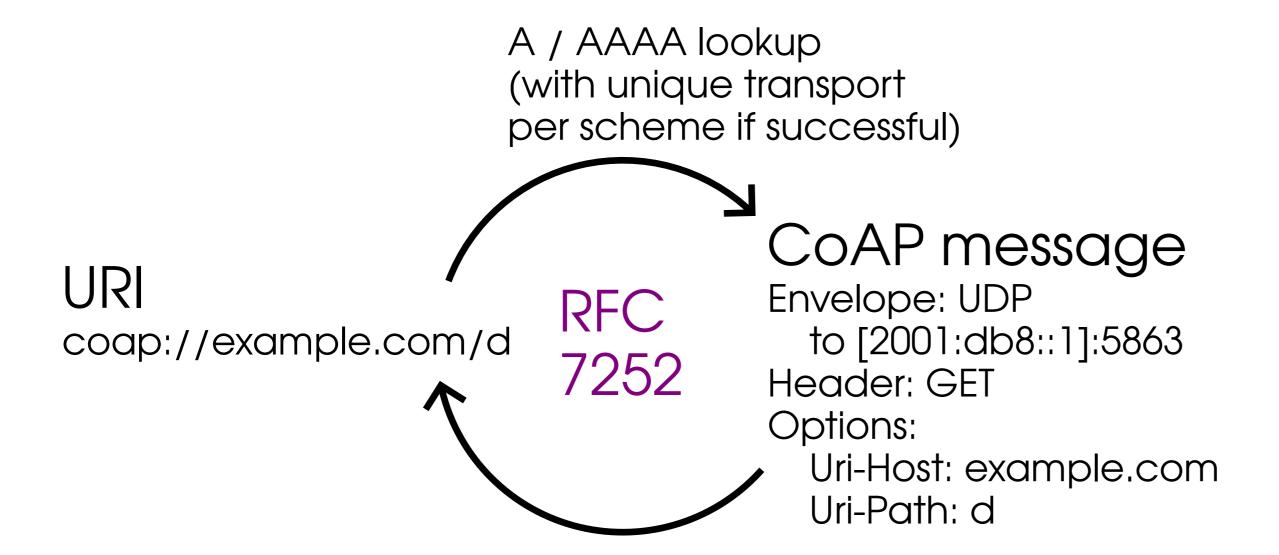
- HTTP's mechanism
- Simple
- Way shorter wording in terminology section

## Recent changes worth discussing

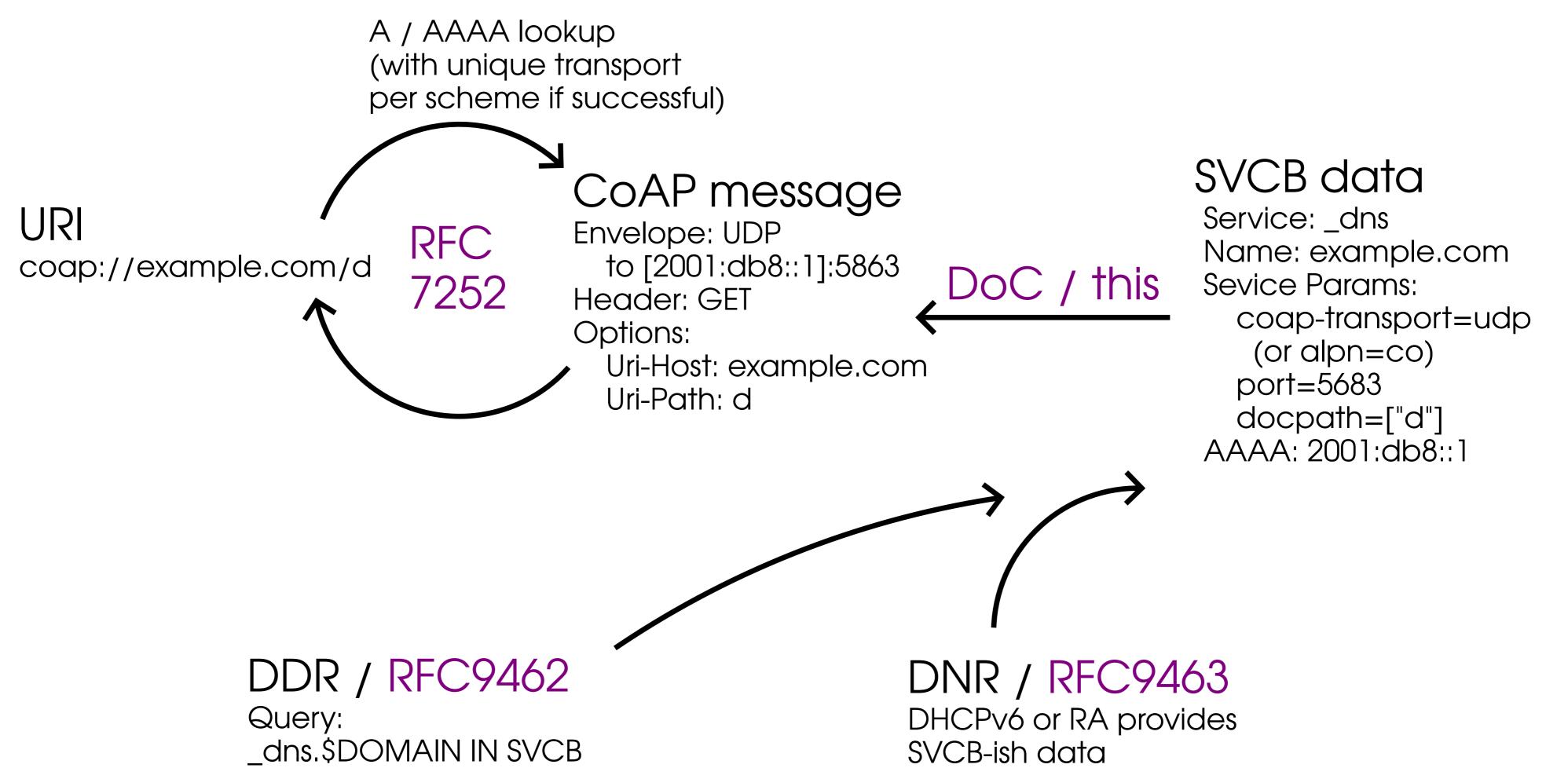
- Scope of has-proxy relation
- A lot about SVCB

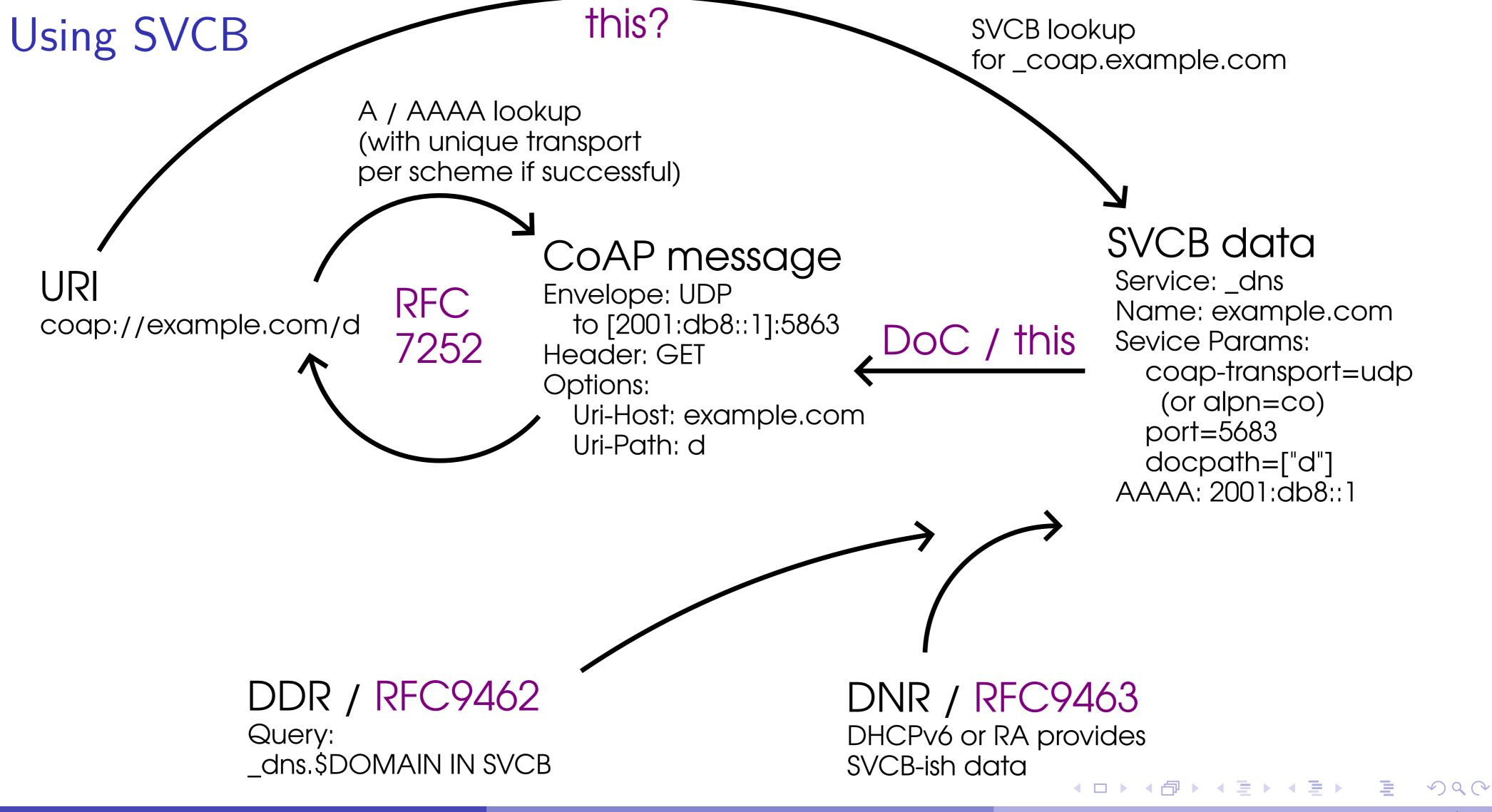
...without moving away from "transports are proxies" as a guiding principle

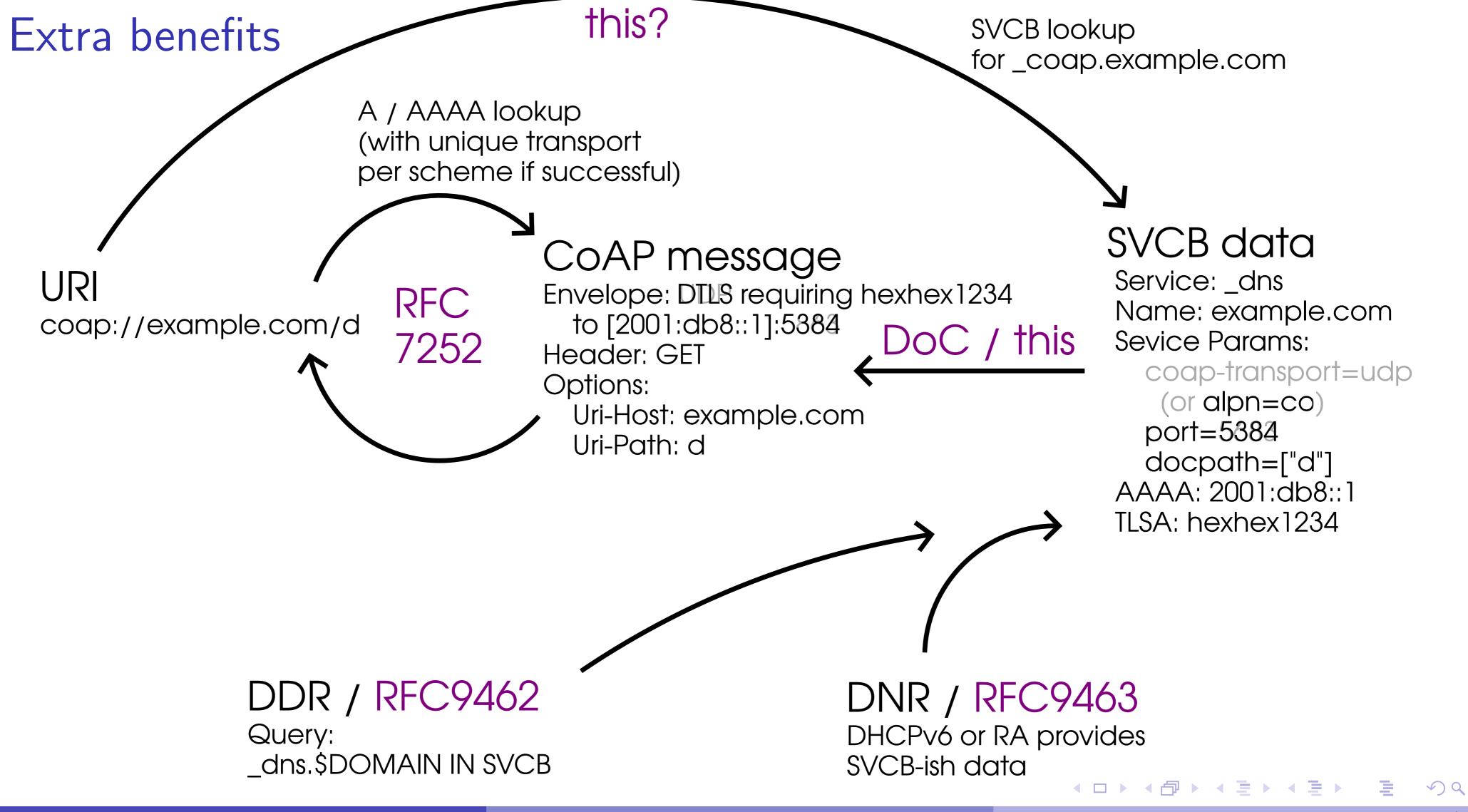
## Rough URI equivalents



## DNS discovery requirements







#### SVCB records for name resolutions

- Not retroactively activated.
- Applications can opt in.

### Questions:

- Is the above too cautious?
- \_coap SVCB or COAP RR?
- Extra \_coaps SVCB?

### Next steps

- Who would review this?
- Follow SVCB-parameters literals<sup>1</sup>?
- Who would implement enough of this to interop test?<sup>2</sup>

<sup>&</sup>lt;sup>1</sup>Necessary if we want the next IP based CoAP transport to work without a new scheme, or are we happy if that can't use literals

<sup>&</sup>lt;sup>2</sup>Document is probably useful as theoretical background for new transports on its own, but I doubt that's all we want.