

CoRE: CoRECONF

- RFC 9254: YANG-CBOR (2022-07-18)
- RFC-to-be 9595: CORE-SID, AUTH48[-DONE]
- WGLC passed: CORE-COMI
- WGLC passed: CORE-YANG-LIBRARY

(1) Continuation work on YANG-CBOR (CBOR WG)

- RFC 9254: YANG-CBOR (2yo): stable, no known problems
- individual submissions to CBOR WG:
 - [draft-bormann-cbor-yang-standin-00](#)
Efficient (binary) representation of text-based YANG types
In current draft: tag 1 (date/time), 52/54 (IP addresses)
 - [draft-bormann-cbor-yang-metadata-00](#)
Extend YANG-CBOR to support representation of YANG metadata annotations (RFC 7952)

(2) core-sid: ramping up YANG-SID launch

- [core-sid](#) -24 2023-12-22, approved 2024-01-17 (½yo)
- AUTH48: RFC-to-be 9595 (58 RFC editor questions...)
- Next steps:
 - Need designated expert (DE) assignment
 - Coordinate DE team, RPC (RFC-editor), IANA, others:
yang-sid-logistics@ietf.org [✓]

(3) COCOMI

Base:

RFC 9254: YANG-CBOR

RFC 9595-to-be: YANG-SID -- Management of SID space

CoRECONF = YANG/CBOR over CoAP

RESTCONF = YANG/* over HTTP

NETCONF = YANG/XML over SSH

COMI: Status

- [draft-ietf-core-comi-18](#) 2024-07-23:
 - author name fix only (for core-sid RFC 9595-to-be)
- Implementation discussions at TRT2G interims in May and June
- Simplification continues: SID 0 instead of GET?
 - Get rid of "datastore resource" GET/PUT; can do FETCH/iPATCH of "SID 0"
 - Get rid of term "data node resource" and § 5.2.2; fix GET examples
 - **Interim!**
- multiple RPC/Actions allowed in one payload? Semantics?
- Want **more** examples!

COMI: Scaling

Comi was designed for constrained devices:
Small management bases

- Selective retrieve: **Subtrees** only
 - limited selection via special query parameters:
?c= (config), ?d= (default)
 - special SID selection for notifications

- Extend selective retrieve?
- depth limit? (blunt instrument)
 - Requirement for projection?
 - E.g., want list of interface names, not all interface info

Cf. YANG-scaling
discussion @netmod

COMI: Plan

After summer break:

Get remaining comments addressed
(and further examples made)

— Probably another WGLC then

→ Leave scaling discussion to an extension

CoRE: CRIS (HREF)

- -14 (2024-01-09): address reviews mostly
- -15 (2024-04-21): Make CRI scheme registry non-negative (for CoAP uint, general wellness)
- -16 (2024-07-24 today): draft-ietf-core-href-16
 - IANA early review:
 - No repercussion to URI Scheme registry
 - "updates 7595" in abs/intro

#82 Clarify determinism objective

It's a goal of CRIs to be deterministic:

- For (absolute) CRI: **yes**, for (relative to base) CRI reference: **no**
- What does deterministic CRI mean?
 - (1) URI→CRI: "Same" (**equivalent**) URI → same CRI
 - (2) CRI→URI: no two different CRIs produce the same URI
- narrow down the use of "equivalence" in the conversion rules
 - "equal under syntax based normalization" (RFC3986)?
 - conversion result already normalized → byte-wise identical?
- Can we **prove** some properties here?
- How important is this?

HREF: Ongoing

- #77 more test vectors. [More test vectors.](#) (#52, #53)
 - To get those test vectors in place: edit them in [CSV: PR#79](#)
 - #76: Add test vector for zone identifiers

Complete the I-D after summer break