

# CoRE: CRI

March 25th, (Friday), 09:00–11:00 UTC  
(10:00–12:00 CET, 02:00–04:00 PDT)

Concise Resource Identifier:

Concise equivalent of URIs and URI references (RFC 3986)

New **representation format** for **URI data model**

[draft-ietf-core-href](#) defines **CRIs** and CRI references

# recent updates

(-08: 2021-11-06, , for 2021-11-08 IETF112 meeting)

- added percent-encoded text (PET)

New in -09 2022-01-16: • PET actually is a byte string

- No longer remove lone empty path segment: `s://foo`  $\neq$  `s://foo/`
- (editorial): added "small print" appendix

New in -10 2022-03-07: • userinfo (no : passwords)

- separate CDDL rules for CRI and CRI-Reference
- (editorial): moved more examples to "small print" appendix

# implementation

```
$ echo "cri'coap://foo'" | diag2pretty.rb -acri
82          # array(2)
  20        # negative(0)
  81        # array(1)
    63      # text(3)
      666f6f # "foo"
```

```
$ echo "cri'coap://foo/'" | diag2pretty.rb -acri
83          # array(3)
  20        # negative(0)
  81        # array(1)
    63      # text(3)
      666f6f # "foo"
  81        # array(1)
    60      # text(0)
          # ""
```

Ongoing implementation work (Python, Ruby, Go, Rust)

→ Uncovering little issues, Expanding test vectors

Objective: Exercise CRI in context of CoRAL, CURIes, CBOR-packed

# next steps

5 remaining [issues](#), 1 [PR](#) on text (two PRs on test vectors)

<https://github.com/core-wg/href/issues>

Implementation work: ~ 6 more weeks?

~ Probably needs one more interim before WGLC