CoRE: RD, CRI

September 14th (Wednesday), 14:00-15:30 UTC
(16:00–17:30 CEST, 07:00–08:30 PDT)

RD, /.well-known/core for parameters

Proposed IANA registration: rt=brski.jp, rt=brski.rjp

```
<coaps+jpy://[IP_address]:join-port>;rt=brski.rjp
```

Not really a resource.
But compare fantasy URI schemes such as tcp:?

But is "rt=" the right target attribute?
How about "jpy-port="?
(Would need a resource to attach to.)

CRI ("HREF")

[draft-ietf-core-href](#) defines **CRIs** and CRI references
Concise equivalent of URIs and URI references (RFC 3986)

GitHub Open Issues

#43, #44: PET

Unreserved characters such as "." normalize to non-PET
As do beyond-ASCII UTF-8

Normalization algorithm starting from the left:
• Start with valid UTF-8 encoding of unreserved Unicode scalar value?
   • Yes: put it in tstr
   • No: put one byte in bstr
   • Repeat

["blåbærsyltetøy"]
h'00DC4701A5' -> ["\u0000", h'DC47', "\u0001", h'A5']
CoAP requires Net-Unicode (no BOMs, etc.)!

#46: "a:" is ["a"] or ["a", true]?

Toss a coin, but:
foo:bar + ../baz should resolve to foo:/baz

➜ outlaw ["a", true] (with no further text)

#50: misc

— Do not allow `[]` even as a CRI-Reference

— Do not allow `null` for a path that could be `[]`

    — Use `null` when at the end (i.e., not explicitly)

    — In the middle, use `[]`:

```
coap://foo?bar  →  [-1, ["foo"], [], ["bar"]]
not             →  [-1, ["foo"], null, ["bar"]]
```

— host array weird because it is a group
   in larger authority array