CBOR Object Type Extension (COTX)

XML and JSON messages for high-level systems are usually reliant on URLs, URIs, or URNs for indicating the nature of a specific message.   The COTX extension is intended to provide a standardized counterpart for CBOR. COTX is effectively an alternative to the CBOR tag concept.

The primary motive is facilitating a transition to CBOR from XML and JSON.

Current draft: https://www.ietf.org/archive/id/draft-rundgren-cotx-03.html

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Specification – Based on a CBOR tag

Standardized Tag Number([Object Identifier, Object Data])

Standardized Tag Number: Currently 1010. *Preferred* 55, 88, or 99

Object Identifier: Any valid UTF-8 string. Typically an URL

Object Data: Any valid CBOR object

Sample:

```
1010(["https://example.com/myobject", {
  1: "data",
  2: "more data"
}])
```

Precursors

Another I-D suggesting URLs as an alternative to CBOR tags:

https://www.ietf.org/archive/id/draft-ietf-rats-eat-17.html#name-eat_profile-eat-profile-cla

"Typically, the URI will reference a document describing the profile"