SenML Data Value Content-Format Indication

draft-ietf-core-senml-data-ct-02

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IETF 109

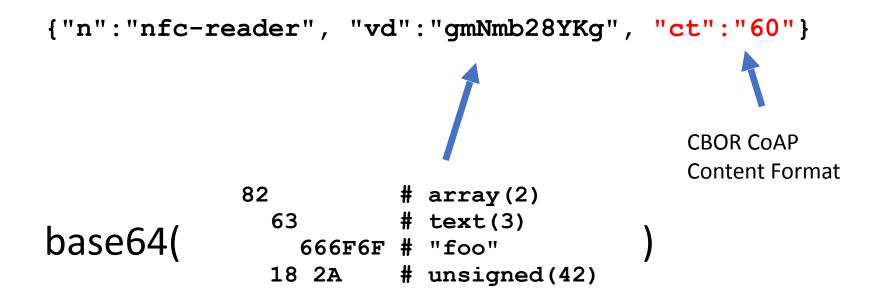
Content-Format indication

• SenML Records can contain (binary) "data values" in a "vd" field

```
[
    {"bn":"urn:dev:ow:10e2073a01080063:", "n":"temp", "v":7.1},
    {"n":"open", "vb":false},
    {"n":"nfc-reader", "vd":"aGkgCg"}
]
```

• This draft: new Content-Format indication ("ct") field to indicate the Content-Format of the data in the SenML Record

Example SenML Record with data value and Content-Format indication



Updates for draft-ietf-senml-data-ct-02

- 108: must-understand ct field ("ct_") proved puzzling
 - Don't know how to manage interaction with normal field ("ct") in resolution process
 - So we got rid of it again (thanks for the suggestion, Klaus)
 - Would have been nice to have, but don't know how to do it

- WGLC 2020-07-30..2020-08-17; no reviews by end of WGLC
- Since: reviews by Jim Schaad, Thomas Fossati, Alexey Melnikov

Need ABNF for contents of ct field (#2)

- Import from draft-bormann-core-media-content-type-format? (Revived 2020-08-18; would need to consider WG adoption)
- Or define here?
- content-coding = token; [since RFC2616; RFC 7231]
- Content-Format-String = Content-Type ["@" content-coding]
- Content-Format = 1*DIGIT

Meaning (allowedness) of "ct" without "vd" #1

- Can happen when "bct" is in effect
- Probably innocuous to allow ct without vd (no consequences)

Next steps

Re-check reviews

- Resulting changes are probably not technical
- Perform changes, submit to IESG