## Data types and encodings

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## The media type selection

- For pure **text** strings: text/plain; charset=utf-8 (ct: 0) E.g.: display text, owner's name, ...
- For pure **byte** strings: application/octet-stream (ct: 42) E.g.: firmware image
- For everything: application/cbor (ct: 60)

## CBOR examples

- Text and byte strings, packaged in CBOR, are just themselves, with a length prefix:
  "foo" → 0x63656f6f ("cfoo"); h'010203' → 0x43010203
- Length prefix for floating point: 0xf9/fa/fb for 16/32/64
- Length prefix for array, map: 0x80+n, 0xa0+n
  [1, 2, 3] → 0x83010203, {1: 2, 3: 4} → 0xa201020304
- Alternative: Indefinite length, bracket using 0x9f/0xff and 0xbf/0xff