

Curating

Tags for CBOR

Tags as main extension point

(Simple values have only specific usage)

"Batteries included"

Vast space (but small ones **better** than large ones)

Easy registration (most ranges accessible to FCFS)

Designated Expert (DE) officially only for 0..32767

FCFS space was 256..∞ (7049), now 32768..∞ (8949)

State of the union

space	7049	since	free
1+0	9	3	12
1+1	7	~57	~170
1+2	1	~43	~65490
1+4	0	~3	many
1+8	0	~1	many

Evolution of Tag space

- Initial landrush (e.g., for Perl)
- Steady growth
 - Standards like COSE/CWT, 8943) or I-Ds (time)
 - Other users
- Structuring efforts (8746, map-like)

Cleanup needed?

Some new tags "replace" older ones

- E.g., map-like (259, 275)
- E.g., network-addresses (261)

Some "complement" ones that should have been more flexible

- E.g., tag 37 vs. 257 (MIME text vs. binary)
- tag 263 (hex) complements 7049's 33, 34 (base64url, legacy)

Some tags extend previous ones

- tag 268..270 (more flexible numbers)

How does the implementer navigate this?

- Put more information into registry
 - requires spec/BCP, continuous WG actions
 - maybe makes early registrants look not so good
- Write separate informative document
 - notable-tags
 - could be run as a living I-D
 - to be referenced from registry?