— time-tag ➔ AUTH48-DONE
— update-8610-grammar ➔ Approved
— edn-literals: AD Review ➔ Revised ID needed
draft-ietf-cbor-time-tag-12
Concise Binary Object Representation (CBOR)
Tags for Time, Duration, and Period
• 2023-10-30 RFC Ed Queue : IESG (Francesca Palombini)
• 2024-06-26 Second IETF last call completed,
Waiting for AD Go-Ahead: IESG (Francesca Palombini)
• Authors: RFC-to-be 9581 ready to be put back into AUTH48
➔ AUTH48-DONE

second IETF last call was for timescale registration fix:
• add keys –13 and 13 and call –1 "legacy"
Documents that completed IESG ballot and can go forward

draft-ietf-cbor-update-8610-grammar-06
Updates to the CDDL grammar of RFC 8610
2024-06-24 Approved-announcement to be sent::AD
Followup (Orie Steele)

Draft -06 fully updated for final approval
Documents that completed IETF last-call and require work

draft-ietf-cbor-edn-literals-09
CBOR Extended Diagnostic Notation (EDN): Application-Oriented Literals, ABNF, and Media Type
2024-05-18 Waiting for AD Go-Ahead::Revised I-D Needed
(responsible AD is Orie Steele)

Working on –10.
Lots of good input.
➔ today
EDN: PRs ready to merge

— #50(+): Close #44: Security considerations of extensibility
— #48: Close #43 (tag 999 error handling guidance needed (opsdir review))
— #47: Close #45 (Better introduce existing and new encoding indicators (genart review))
— #46(*): Close #38 (Clarify: Long numbers and bignums)
— #40(*): Close #37: Superfluous S in ABNF

(*) Github has "Approved" labels from shepherd or AD
(+) Github has "Approved" label from other reviewer
EDN: PRs that are likely to go WONTFIX

#49: WIP: propose alternate single-pass ABNF
opened 2 weeks ago by rohanmahy

Push-back from implementers:

— Source of complexity and risk for merged ABNF
— Would need to be done in a similar way for each new application-oriented literal as well
— Can still be done in an actual implementation, if desired (maybe supported by a wiki)
EDN: Issue #42: Move to Explicit Concatenation?

Opportunity:

— Change Appendix G.4 to require explicit operator (+) for building strings from concatenated string literals
— This was a blocker from making commas optional
  ➔ So, now we can make them optional

PR not yet written
actual change is implemented in edn-abnf-ec tool
Actual change (explicit concatenation):

OLD: string = string1e *(S string1e)
NEW: string = string1e *(S "+" S string1e)

Making commas optional (OC = ["," S]):

OLD: seq = S [item S *("," S item S) OC]
NEW: seq = S [item S *(OC item S) OC]
OLD: array = "[" spec S [item S *("," S item S) OC] "]"
NEW: array = "[" spec S [item S *(OC item S) OC] "]"
OLD: map = "{" spec S [kp S *("," S kp S) OC] "}"
NEW: map = "{" spec S [kp S *(OC kp S) OC] "}"
OLD: streamstring = "(_" S string S *("," S string S) OC ")"
NEW: streamstring = "(_" S string S *(OC string S) OC ")"
Upside:

— Optional commas are often requested feature
— inadvertently used in RFC 9529 and I-Ds already...
— EDN usage now closer to CDDL
  (where commas already are optional)

Not really a downside:

— implicit concatenation (Appendix G.4) rarely used
— may have been somewhat surprising feature
Downside:

— This is an actual change
— Theoretically, existing examples might change their meaning
— More complex transition (no immediate error thrown)
— Cosmetics
  — "Herewith I buy" ... "gned: Alice & Bob" was maybe nicer than "Herewith I buy" + ... + "gned: Alice & Bob"
Rathole:

. (dot) in Perl, PHP, and some other languages
& (ampersand) in Visual Basic (VB) and some other
~ (tilde) in some languages, such as PowerShell
|| (double pipe) in some languages, such as Oracle SQL
.. (double dot) in some languages, such as Lua
^ (caret) in some languages, such as Pascal

+ everywhere else (Python, Java, JavaScript, Ruby, ...)
Procedure?

— Merge the 5 PRs that are ready for merging
— Add a PR for #42 (explicit concatenation) and merge
  — Accompany the ABNF change by new text
— Submit –10: Revised I-D (outcome of the IETF Last Call/Review phase)

(Orie's decision:)
(a) move –10 forward to IESG ballot
(b) do an extra IETF last call first because of the change