Epoch Markers

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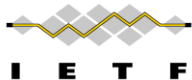<draft-birkholz-rats-epoch-markers@ietf.org>

IETF 116

17 March 2023

Yokohama

I E T F

Epoch IDs Recap

- Epoch IDs are a message type introduced in the RATS Architecture.

- Epoch IDs initiate new periods of freshness (hence 'epoch') when received by other RATS roles in a given domain and can be used as content in fresh conceptual messages, accordingly.

CBOR Messages for Epoch ID Types

- Epoch Markers are a CBOR serialization of Epoch IDs.

- Epoch Markes allow for various types of payload types, e.g., "nonce-like" values, signed timestamps, etc.

- Epoch Markers are distributed by a new RATS Role called the Epoch Bell.

- Conveyance of Epoch Bells to other RATS roles can follow various interaction model, e.g., models illustrated in I-D.ietf-rats-reference-interaction-models.

Current Status

- https://datatracker.ietf.org/doc/draft-birkholz-rats-epoch-markers/04/
- Seven types of Epoch Marker payload are now included in the I-D.
  - Including content description and CDDL where applicable
  - Naming the payload types might require some WG work
- Bell Veracity Proofs are stubs currently.
  - Either waiting on AR4SI or may become an extension point

Next Steps

- Request for WG adoption call (WGAC)