draft-irtf-icnrg-flic

Christian Tschudin (christian.tschudin@unibas.ch)
Christopher A. Wood (woodc1@uci.edu)

ICNRG
IETF 100, November 2017, Singapore

Document Updates

- None in the tracker

- Editor's copy:

    - Consolidate ManifestMsg and DataMsg

    - Remove sized pointers

    - Start security considerations, extensibility text, and application uses

Consolidated Structure

Node := Name? Metadata? (**Opqaue** | HashGroup+)

HashGroup := MetaData? Ptr+

Ptr := HashValue

HashValue := See {{CCNxMessages}}

MetaData := Property*

Property := SizePerPtr |
        Locator |
        OverallByteCount |
        OverallDataDigest |
        SecurityContext | …

Extensibility

Basic idea: add new Metadata fields to a FLIC Node

Possible extensions

- Security context (pointer)

- Media type

- Timestamp

Implementations

- ccn-lite: https://github.com/cn-uofbasel/ccn-lite/tree/flic-manifest

- spud: https://github.com/chris-wood/spud/tree/master/messages/flic

- CICN(?)

Next Steps

- Read the draft

- Implement the draft

- Comment