

CCNx Technical Working Group

Meeting Minutes

3/30/16

Overview

Attendees: Börje Ohlman, Greg Rutz, Glenn Scott, Nacho Solis, Cedric Westphal, Christopher Wood

Scribe: Christopher Wood

Agenda

1. Prioritize interesting manifest use cases for experimentation [1]. What are interesting and useful cases to get up and running?
2. Discuss the ICN privacy principles writeup [2].
3. Identify work up the stack and discuss how to work on transport protocols.
4. Last minute ICNRG tasks before BA.

Related Material

[1] <https://github.com/chris-wood/icn-manifest-requirements-rfc>

[2] <https://github.com/chris-wood/icn-privacy-principles>

Notes

- Huawei has an implementation of a type of Manifest and did a demo with it last year at ICN
 - They had DNS return a Manifest instead of a record (file-specific record instead of domain-specific record).
 - The manifest included information about the file.
 - Routing decisions were based on the size of the object, for example, after being requested by the consumer.
 - Replicating this in CCN would require more work since routing does not take this information into account.
- Privacy principles
 - There were concerns about the encryption by default principle -- why is this necessary for public information?
 - In the Internet, that's not OK (example: DPRIVE for encrypted DNS).
 - What about item #6 in application credentials?
 - That doesn't reveal more information -- we just don't want to increase problems if credentials are stolen

- Transport protocols
 - We have a communication protocol and some data and we need to start moving it efficiently (i.e., we need a protocol like TCP).
 - Questions:
 - Do people want to work with the CCNx code to help build something?
 - If so, can we provide to help them along?
 - Not a lot of interest among the group (yet) but there will likely be soon.

Next Meeting

Date & Time: 4/13/16 at 11am PST

Tentative agenda:

- Manifest pre-fetching in forwarders.
 - CCN and content replica interaction with CCNx-KE.
 - ICN privacy principles (<https://github.com/chris-wood/icn-privacy-principles>).
 - Status update on DTLS link support.
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