**BAR BOF ICN RG**

30.03.2011 at 20:00, Prague

Organizers: Börje Ohlman & Dirk Kutscher

Minutes: Ove Strandberg

14 people attending


Agenda

1. ICN Introduction
2. Interest indication by participants
3. Discussion

1. ICN Introduction

Dirk and Börje prepared presentation about ICN. The proposed area of ICN is shortly the addressing data directly in the network, not only addressing hosts as in today's networks. One comment on the presentation was the lack of mobility aspects, the issue is missing in the slides but was assumed to be included as one network environment.
The outgoing chair of IRTF Aaron Falk and the new chair Lars Eggert has expressed support for working on ICN in IRTF as a potential ICN RG. Aaron suggests to include also business, legal and regulation (B,L&R) into the working area, some comments on B,L&R:
   - opinion expressed that this could be a "rat hole" and these issues best avoided in the ICN RG
   - perhaps not plan to do work on B,L&R in ICN RG, but invite people to contribute
   - B,L&R would need a complete work group on its own
   - one compromise way of working with B,L&R could be to check that ICN research results are not in conflict with rules and approaches in the B,L&R area
   - the result out of a ICN RG would go to IETF WGs. As the IETF work on protocols, then ICN RG should do also. Thus B,L&R is not in the main area of the ICN work.

2. Interest indication by participants

The participants made a short introduction of people and area of interest. The approach mentioned was: Naming, Name based routing, Deployment issues, Relation to legacy networks, DECADE work, Data identifier, Future internet as evolution (not clean slate approach), ICN in network edge (Flash crowds) and Next generation CDNs


3. Discussion

The group discussed ad hoc about the ICN area and find common approach out of many views of ICN. Here are some highlights:

   - Would an ICN workshop for IAB be possible to introduce the ICN? ICN is proposed as the general term for this field of research. NetInf, CCN, NDN and PSIRP are some proposed solutions in this field.
   - Caching/network storage is one component in the solution area. Storage is somewhat proactive, while caching looks like reactive activity.
   - CDN position in network: CDN is a separate network and have different instances today.
   - the target is to approach content as a pervasive entity in the network. Ownership comes at later steps.

- Important in ICN: Information availability, and pervasive availability.
- Granularity in ICN communication is the data (or even chunks) instead of communication channel (host - to - host communication), this can make more efficient networking possible.
- ICN is typically seen as close to "clean slate", but it is depending on target or time schedule of the target solution. ICN might mean many different things.
- Aaron tried to scope the RG work in IRTF: something using the internet (IP) or something to do with internet.
- Do ICN RG need to address chunks or not? Even if video is what you want (typically some chunk solution included), it is not interesting if the data is in the form of chunks or not.
- Target will be to bring ICN result to internet, thus evolve internet with bits and pieces from the ICN area.
- Many naming schemes in IETF, just some examples: DNS, HIP, IoT and ICN. What can be learned, can they be approached in a common way?

4. Future work:

The discussion ended with an expression of interest to further the ICN RG. Börje and Dirk will keep the people updated with new developments. There is the ICN email list hosted by NEC Labs (https://listserv.netlab.nec.de/mailman/listinfo/icn-interest), additional communications channel under investigation. Next step is to continue the discussion with IRTF chair Lars Eggert.

Upcoming activities will be posted on the ICN page on the IRTF's Wiki:
http://trac.tools.ietf.org/group/irtf/trac/wiki/icnrg


Meeting ended at 22:30.