ICN BOF Discussion

ICNRG @ IETF-96

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ICNWG BOF Discussion

• There seems to be interest to move ICN closer to deployment
• There was a proposal for an ICN WG BOF for IETF-96
  – Not approved, several reasons
  – Questions on maturity, scope, level of consensus, security, IPR concerns, etc.
• This meeting today:
  – Discuss about the goal and possible next steps
  – Clarification: this is a general community discussion – not an ICNRG activity
  – But we want to facilitate it by sponsoring the time time slot
Level of Consensus

• So far, we have been working with the CCNx specs as RG documents
  – ICNRG ownership of change control
  – Technical discussion in phone meetings between ICNRG meetings
  – Not excluding additional proposals for protocol specs
    – but there have not been contributions so far

• Concern: Not a healthy signal for ICN if we keep developing two different, incompatible sets of specs (CCNx and NDN)

• Idea: Start collaborative effort to overcome this
Convergence Effort

• CCNx and NDN teams had first discussions
• Proposal for moving on:
  – Understand and document current differences
    • Not only syntax and mechanisms – also semantics and motivation for design decisions
  – Try to resolve differences – goals:
    • One set of specifications
    • Sufficient evolvability for new ideas in the future
• Intended outcome
  – Set of (Experimental) RFCs that represent community consensus on one combined NDN/CCNx design
  – Basis for more experiments and potentially deployment in selected scenarios
Thoughts on the Process

• Documenting differences would be a good ICNRG activity
  – Could kick-off a focused team that frequently reports to and collects feedback from ICNRG

• Specification effort – two options:
  – Done in ICNRG as analysis of differences becomes solid
  – Propose WG BOF on this
    • Should be based on a good understanding of scope, applicability