Update on NDN Spec

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What we are doing

A lot of research

• Applications, routing, forwarding, security, testbed, …
• Learn from running code
• Many remaining open issues

Writing spec

• Work in progress (v0.1), available on named-data.net
• Evolve along research
• Inviting community input

ndn-interest@lists.cs.ucla.edu
Approach

Re-examine design decisions
  • Keep only the necessary pieces at the network layer.

Document reasoning behind design decisions
  • Understand why and why not.
  • A number of technical memos.

Application & experimentation driven
Incorporate community contributions
Current Status

Packet Format

- Borrowed heavily from CCNx and Cisco.
- TLV-based, a number of simplification to packet format.
- A few useful things are left out temporarily until we figure out the best way to do it.

Technical Memo

- In progress: name discovery, fragmentation, naming convention, routing scalability, selector support.

Complete spec coming soon, followed by implementation