

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

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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