





# Implementation

- C application running over CCNx
  - user's traffic
  - state
- ephemeral/session-based operation
- Source code will be available to public soon.

### NDor Results

- **Robust**, flexible, distributed architecture
- with existing solutions

## **Security Topics in NDN**

- More efficient security primitives
- New library functionalities for security
- Access control, security protocols, key management
- Trust Management framework/solutions
- Privacy and anonymity

For more information about the Named-Data Networking Project: <a href="http://www.named-data.net/">http://www.named-data.net/</a>



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Client transparently encrypts & encapsulate

Anonymizing routers maintain per-packet

Name mapping & content encryption key Support for symmetric/asymmetric crypto for

Verifiable privacy and anonymity guarantees with less nodes than its IP based analogs (2 vs. 3) Comparable per node computational overhead Expected to outperform its IP analogs in real life

Faster signature generation/verification