

CCN lite

www.ccn-lite.net

Your own project here



Ideal for:

- class room work
- experimental extensions
- code base for commercial products

Named Functions (λ -reduction inside CCN)

www.named-function.net

- Network delivers results, not data
- Users can *name* the functions
- U of Basel: pure lambda-calculus, SCALA & Python interface
- Use cases: namespace and packet format translation, MapReduce, IoT gateways, service chaining

Small devices / IoT

- runs on Arduino (Uno: 32KB code, 2KB RAM)
- Android (coming soon)

Extensions, existing and planed

- RESTful
- MongoDB
- Packet mangling (in Python)

Interoperable



<https://github.com/cn-uofbasel/ccn-lite>

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Features

- *Tiny code base*: core has < 2.000 LoC, pure C, runs over UDP and raw Ethernet, ISC license
- *Multiple packet formats*: ccnb, NDN, CCNx1.0, IoT-TLV, Cisco-TLV
- *Compile time options*: memory debugging, HTTP server, remote configuration, fragmentation, scheduler, HMAC256 signature, etc.

CCNxCon, May 2015, Palo Alto

Collaboration with

