

# CCN

## Goals / Principles / Invariants

**pre-work-in-progress**

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# Goals / Principles / Invariants

0) Begin with a clean slate

1) Data on the network is identified by a name rather than endpoints.

2) There is a cryptographic binding of the name to the data.

3) Names identify segments of data of a size appropriate for flow control and congestion control.

4) A consumer of data can always determine the provenance of data it consumes from the network (at least down to the cryptographic principal).

5) Names are hierarchical

6) A consumer of data can always achieve privacy and reasonable anonymity (e.g. anonymous beyond a small number of hops).

7) A producer of data can always require consumers use privacy.

# Goals / Principles / Invariants

Universal

Resilient/Robust

Scalable

Efficient

Strictly Participative

Discreet

Extensible