A Scalable Named Information Network

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Information-Centric Network:

Proposed Named Information Network Components

Goals & Design Requirements:

Design a network architecture that naturally and globally supports efficient and trustworthy information dissemination and retrieval with low communication overhead.

IGW Functions

IR Functions

Routing Table

Finger Table

Information Registration

Intra-Domain Retrieval

Inter-Domain Retrieval

Ongoing & Future Works:

SNMS: Proactive security protection architecture providing mutual authentication service
Trustworthy Information Flow: Enable information flow to be trustworthy