

ICN RG bar-bar-BOF

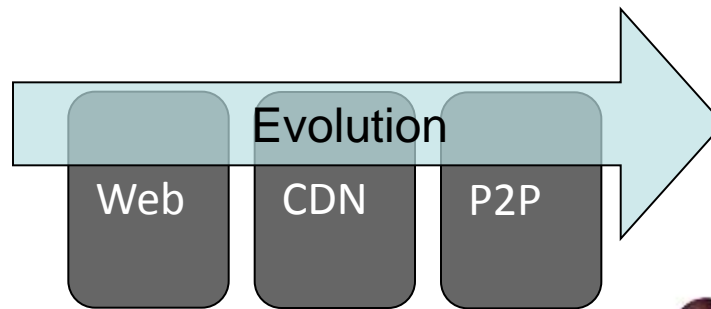
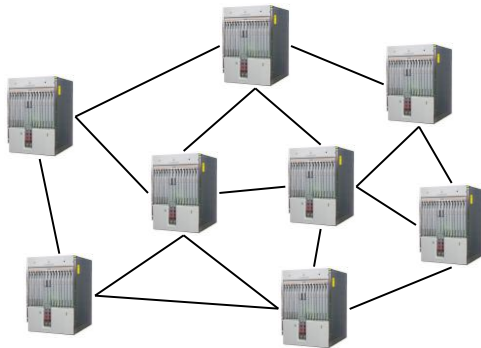
IETF – 80
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Börje Ohlman & Dirk Kutscher

Information Centric Networking (ICN)

Today's Internet

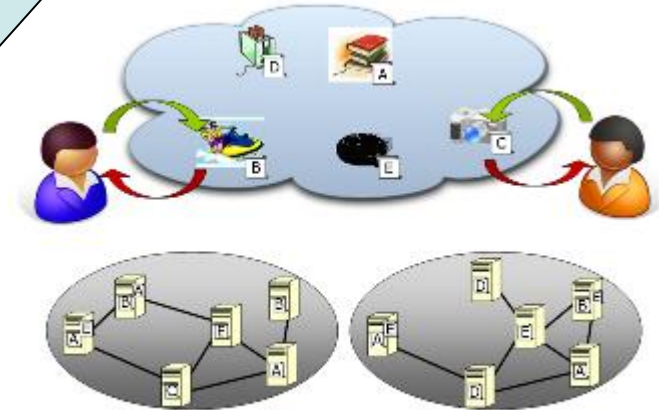
Focus on
nodes



In today's Internet,
accessing information is
the dominating use case!

Future
Information Centric Network

Focus on
*information objects and
real world objects*



ICN RG current status

- Planning group
 - Lixia Zhang, Stephen Farrell, Jörg Ott, Volker Hilt, Börje Ohlman, Dirk Kutscher
- Initial contacts with IRTF chairs Aaron Falk (outgoing) and Lars Eggert (incoming)
- Positive feedback from all research projects in the area (that we heard from)

ICN RG short term objectives

- Bring researchers together
- Exchange research results
 - especially from implementation and simulation work
- Identify a few initial topics to focus the discussion around

Possible research topics

- naming schemes for icn
- scalable name resolution for flat names
- scalable routing schemes
- a protocol framework
- security
- application/application-protocol design
- API
- business, legal and regulatory framework

Possible output

- Mid-term
 - a common ICN framework
 - input to existing IETF WGs
- Long-term
 - IETF work on ICN
 - influencing legal and regulatory framework

Misc

- ICN mailing list
 - icn-interest@listserv.netlab.nec.de
- IRTF Wiki page
 - <https://trac.tools.ietf.org/group/irtf/trac/wiki/icnrg>
- ICN workshop at SIGCOMM 2011
 - <http://www.neclab.eu/icn-2011/>

What now?

- General comments?
- Discuss ICN research topics
- Your view on what the focus should be