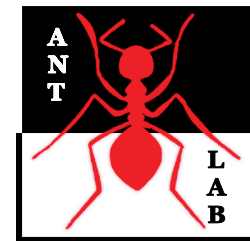




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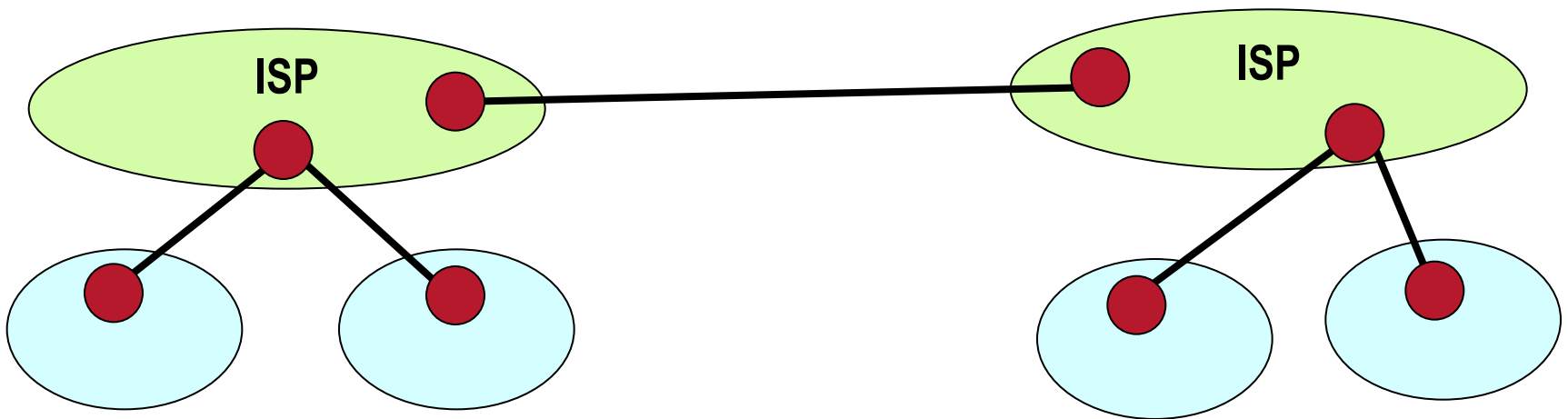
Advanced **N**etwork **T**echnologies **Lab**oratory



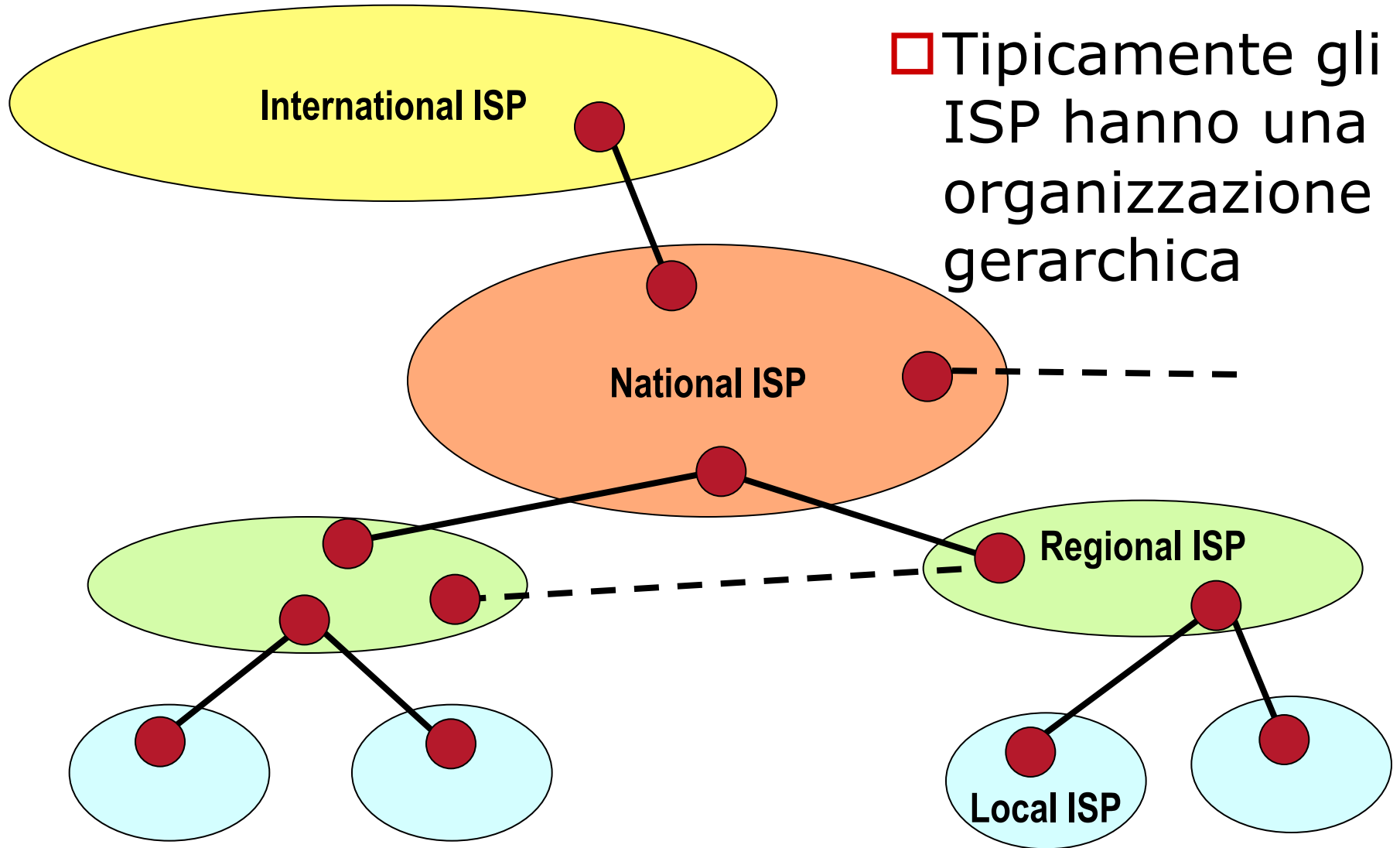
Architettura e organizzazione di Internet

Architettura Generale

- ❑ La connettività è fornita da fornitori chiamati *Internet Service Providers* (ISP): AOL, MSN, TIN, TISCALI ecc..
- ❑ Gli ISP sono fra loro collegati

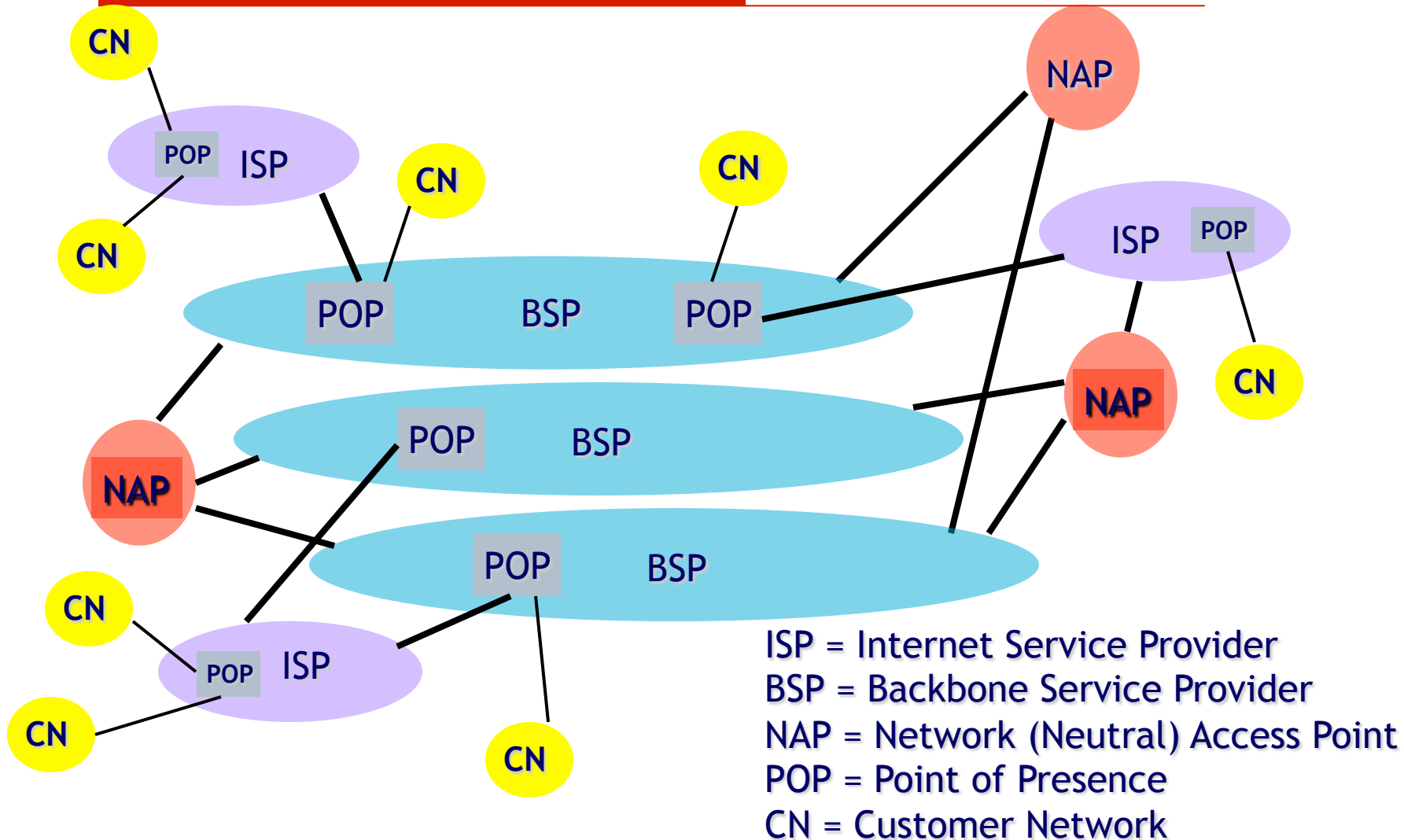


Architettura Gerarchica

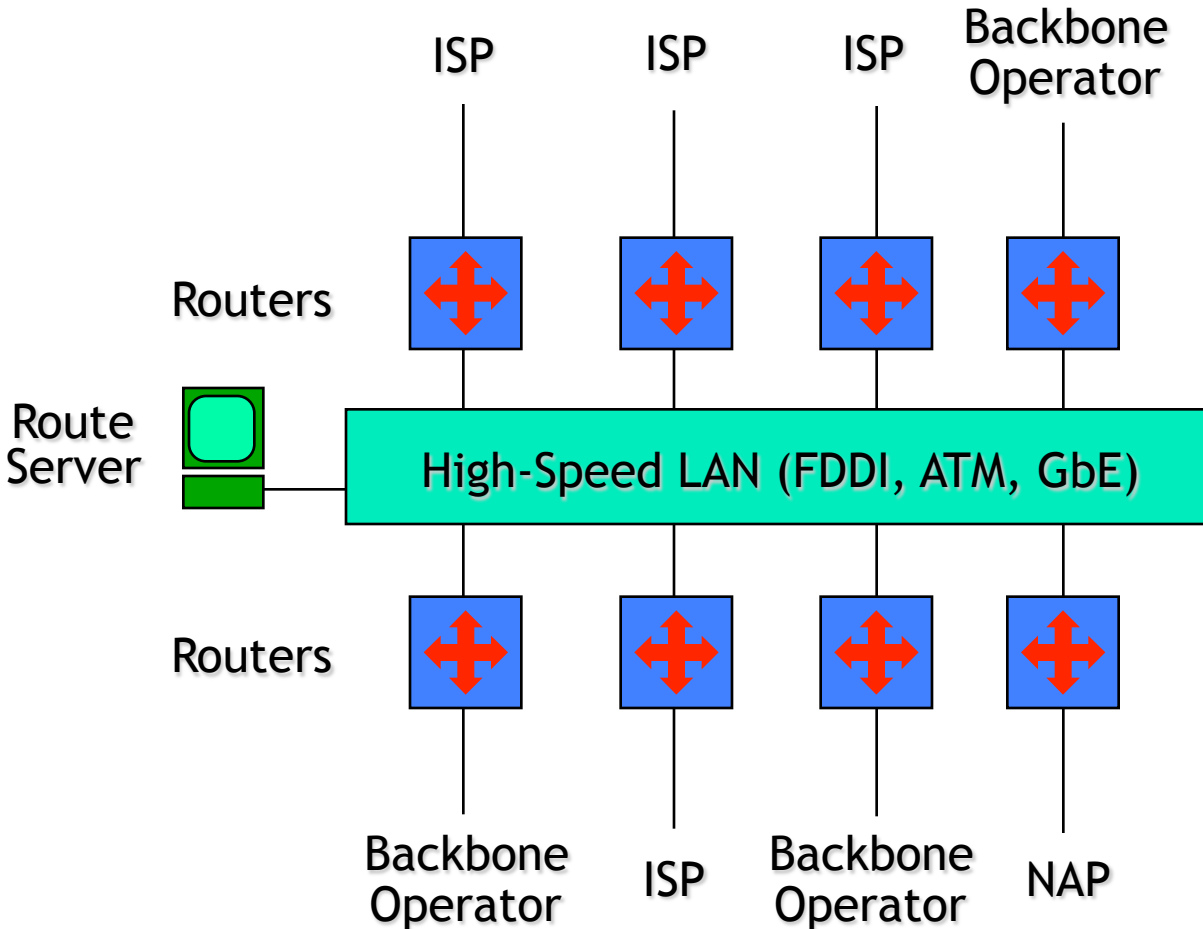


□ Tipicamente gli ISP hanno una organizzazione gerarchica

Architettura Fisica di Internet



Architettura dei NAP



Esempi:
www.mix-it.net



Milan Internet eXchange
www.namex.it

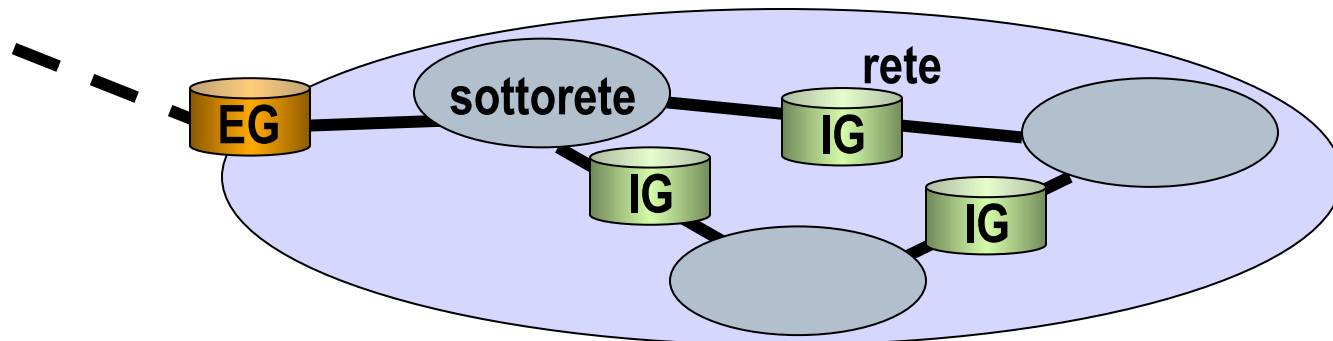


www.topix.it

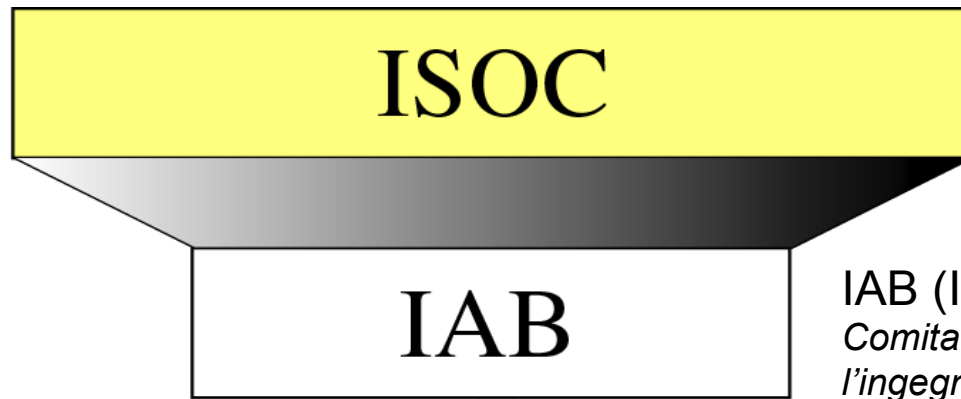


Tassonomia dell'Internet

- La parte di rete IP gestita da una organizzazione è chiamata *Autonomous System (AS)*
- Ad esempio la rete di un ISP è un AS
- IP viene anche utilizzato spesso all'interno delle reti private aziendali o di campus dette *Intranet*
- I router all'interno di un AS sono detti *Interior Gateway (IG)* mentre quelli di collegamento con altri AS sono detti *Exterior Gateway (EG)*



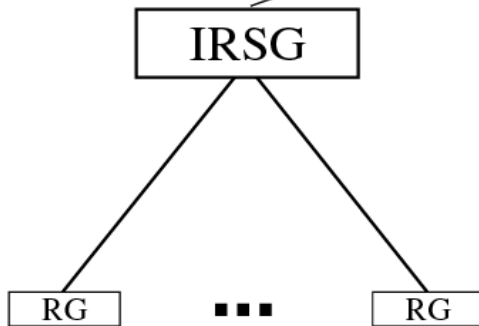
INTERNET Management



ISOC (Internet Society)
Organizzazione no-profit che funge da riferimento per tutto ciò che riguarda Internet: standard, regole, divulgazione

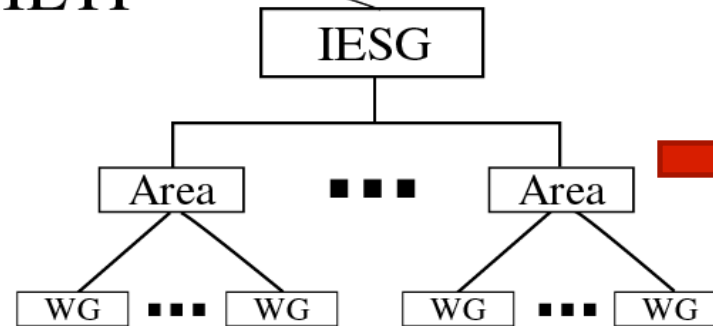
IAB (Internet Architecture Board)
Comitato ISOC che controlla lo sviluppo e l'ingegnerizzazione di Internet

IRTF



www.irtf.org

IETF



www.ietf.org

RFC
Internet standards

IRTF (Internet Research Task Force)
Evoluzione di Internet e tematiche a lungo termine

IETF (Internet Engineering Task Force)
Standard e miglioramento dell'attuale rete Internet

Dove trovare uno Standard

Internet Engineering Task Force (IETF)

www.ietf.org

ICIC Scuola Utils RCI WN TFA Scheda Docente PKT_DROP Sagemath: test Selective R... / Go Back N www.cisco...g_tree1.swf www.ietf.or.../rfc2026.txt

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The Internet Engineering Task Force (IETF®)

The goal of the IETF is to make the Internet work better.

The mission of the IETF is to make the Internet work better by producing high quality, relevant technical documents that influence the way people design, use, and manage the Internet. Newcomers to the IETF should [start here](#).

News

Current Meeting: IETF 91, November 9-14, 2014

IETF 91, Honolulu, HI, USA (UTC-10)

- [RFC Editor Digital Object Identifiers Project](#)
- [RFP: RFC Editor Website Revamp](#)
- [Juniper to Host IETF 96 in Berlin!](#)
- [Google to Host IETF 92 in Dallas!](#)
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Email Archives

Next Meeting: IETF 92, Dallas, TX, USA

A new mail archive tool realizing the requirements developed in RFC 6778 is now in use:

- [Search all IETF email archives](#)

If you choose to log in, use your datatracker credentials.

Internet-Drafts and RFCs Quick Search

([Read full announcement in the archives here.](#))

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 ISOC is a non-profit organization founded in 1992 to provide leadership in Internet-related standards, education, and policy. It is dedicated to ensuring the open development, evolution and use of the Internet for the benefit of people throughout the world. See: www.internetsociety.org