



Finnish IXP – FICIX ry

Veli-Pekka Huttunen

Member of
euro-IX
European Internet Exchange Association

What and where?



Finnish Internet Exchange Point

FICIX

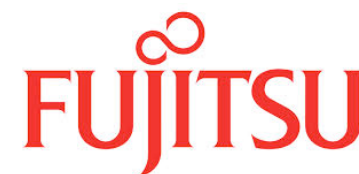
- Founded by agreement 3-Nov-1993
- Registered association from 24-Sep-2001
- Membership based
- Not-for-Profit
- 3 independent sites
- 1G, 10G and 100G port support
- Sites equal in terms of capacity, resilience and services
- Part of critical infrastructure of Finland
 - Independent from government
 - Close cooperation with authorities to develop information society



Members



Finnish Internet Exchange Point



a step ahead



European
Backbone Networks Inc



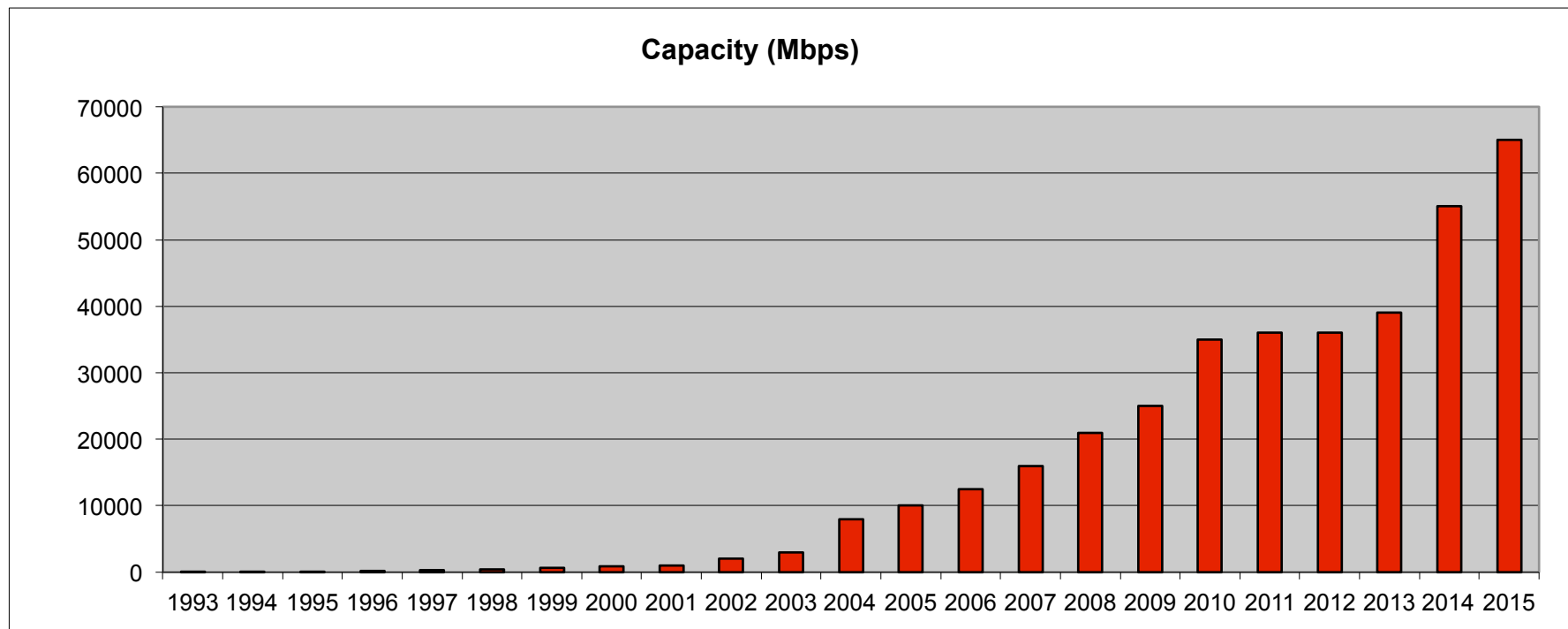
Root-servers and measurements



Finnish Internet Exchange Point

- **Internet root-servers**
 - FICIX1 – i.root-servers.net
 - FICIX2 – k.root-servers.net
 - FICIX3 – j.root-servers.net (RIRS)
- **ccTLD servers**
 - FICIX1 – fi-root
 - FICIX2 – fi-root
 - i.root-server hosted ccTLD's
- **Measurement services**
 - FICIX2 – RIPE Atlas Anchor
 - FICIX1/2/3 – BaseN traffic monitoring





Daily peak Mbps value, 5 min polling interval

FICIX PARTNER PROGRAM



Finnish Internet Exchange Point



- Concept for reselling ports
 - Membership not required, port fees follow standard pricing list
 - Reseller has free hands for product development and pricing
 - Remote-member(s) may need additional services to go with virtual port - transport, co-lo, operations, consulting
 - Specially targeting to ease content providers and multinational enterprises to establish business in Finland and join national traffic exchange

FICIX PARTNER PROGRAM



Finnish Internet Exchange Point

- **Concept details**
 - Reseller may be or become a member, not required
 - Every party connected to peering VLAN required to be a member
 - Reseller is allowed to use FICIX Partner –logo and marketing material
 - Reseller port statistics are always public
 - 10G and 100G ports available, 1G negotiable
- **Technical setup**
 - MPLS VPLS configuration
 - Port Security (MAC addr. control) change to filtering mode
 - Statistics from remote-members n/a for the time being
- **TO-DO**
 - Planned work: OS upgrade and configuration change
 - Start with FICIX1 and after an service assurance period continue with FICIX2

Contact information



Finnish Internet Exchange Point

- **Board of Ficix**
 - Veli-Pekka Huttunen, chairman
 - Tommi Linna, vice chairman
 - Teemu Kiviniemi, secretary
 - Panu Rissanen, treasury
 - Antti Siivonen, member
- Board can be collectively reached by email hallitus@ficix.fi and chairman chairman@ficix.fi



Thank You!

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