FICIX Update

Latest news about FICIX Internet Exchange Points

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- Chairman of the board of FICIX ry (AS 60116)
  - The largest IXP in Finland

- Development manager at CSC – IT Center for Science Ltd / Funet (AS 1741)
  - Funet is the Finnish National Research and Education Network (NREN)
  - CSC/Funet connected Finland to Internet in 1988
  - Funet peers in both FICIX and TREX

# Finnish Internet Communication and Internet Exchange association – FICIX ry

- Founded by agreement on 3rd of November 1993
- Registered association since 24th of September 2001

- Membership-based - non-profit

- FICIX operates 3 equal, independent Internet Exchange Points
    - FICIX1 in Espoo
    - FICIX2 in Helsinki
    - FICIX3 in Oulu

- 1G, 10G and 100G support

Finnish Internet Exchange Point
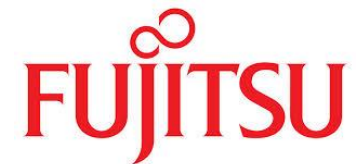
- **Internet root servers**
  - FICIX1 – i.root-servers.net
  - FICIX2 – k.root-servers.net
  - FICIX3 – j.root-servers.net (RIRS)

- **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 statistics

FICIX Partner Program for resellers

- Concept for reselling FICIX ports
  - Available now in FICIX1 and FICIX2
  - Flexible - resellers have free hands for product development and pricing
  - **Example**
    - Provides the possibility for network, hosting and data center operators to sell access to FICIX Internet Exchange Points
    - Additional value for customers

- Membership
  - Peers connecting FICIX through a reseller have full membership status
    - Equal to those connecting with direct physical ports
  - Association membership for resellers is not required

- FICIX will upgrade FICIX3 switch hardware later this year.

- FICIX3 in Oulu is the northernmost IXP in Finland.

- The switch upgrade will provide the possibility to support FICIX Partner Program port reselling also in FICIX3.

- **Private VLAN Service**
  - A new service available for all FICIX members
  - Each private VLAN is owned by one FICIX member.
    - The owner has control of who can connect to the VLAN.
    - The owner is responsible for IP address allocation within the VLAN.
  - The service is provided for zero additional cost in 2017.
  - Available this summer

- **Route servers**
  - Provides easier way to start peering with multiple AS'es
  - Will be introduced later this year – first in FICIX2

- Today at TREX Workshop
  - Contact members of FICIX board

- Later
  - www.ficix.fi
  - contact (at) ficix.fi

Thank you!

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