

Central European Peering Days 2016



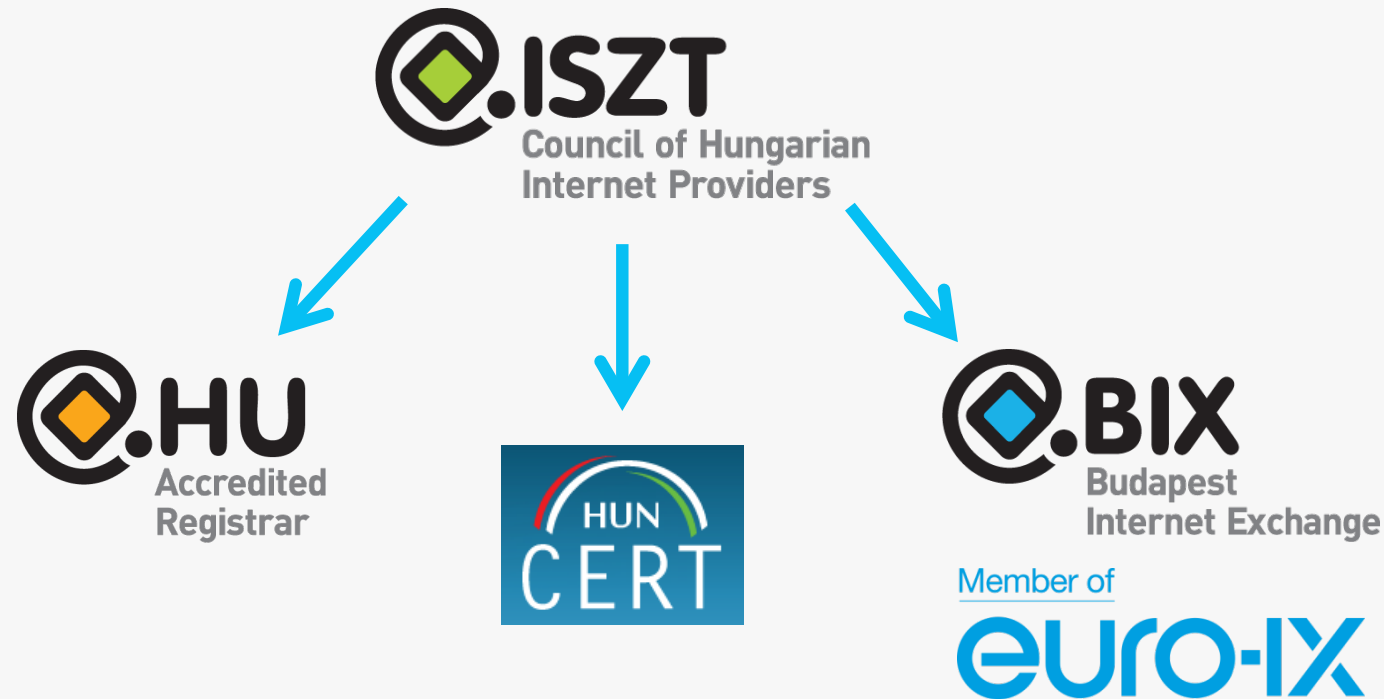
Short introduction

by

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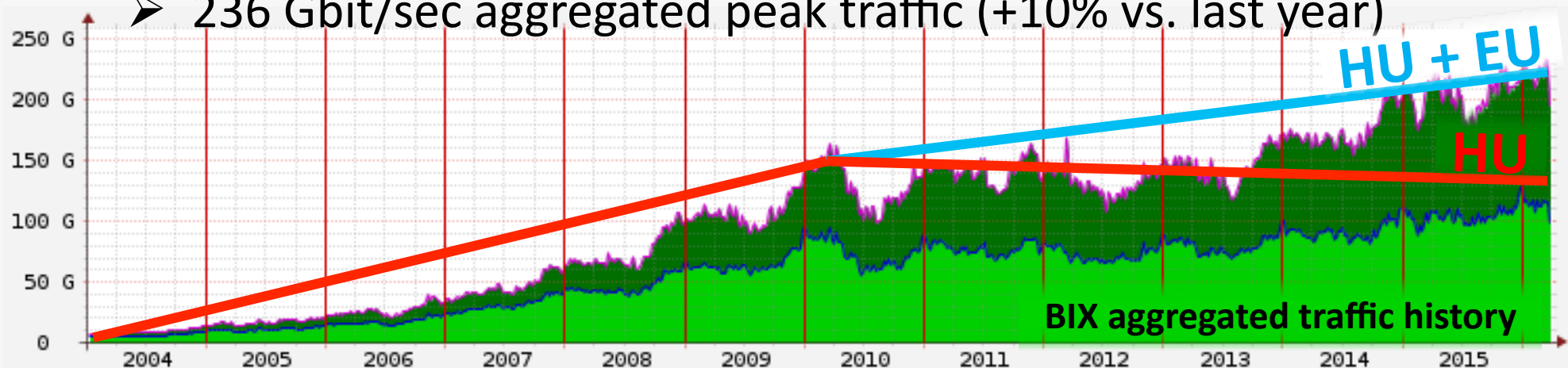


Council of Hungarian Internet Providers:

- Not for profit and neutral organization
- .hu top level domain registration
- HUN CERT – Hungarian Computer Emergency Response Team
- BIX – Budapest Internet Exchange (Euro-IX member)

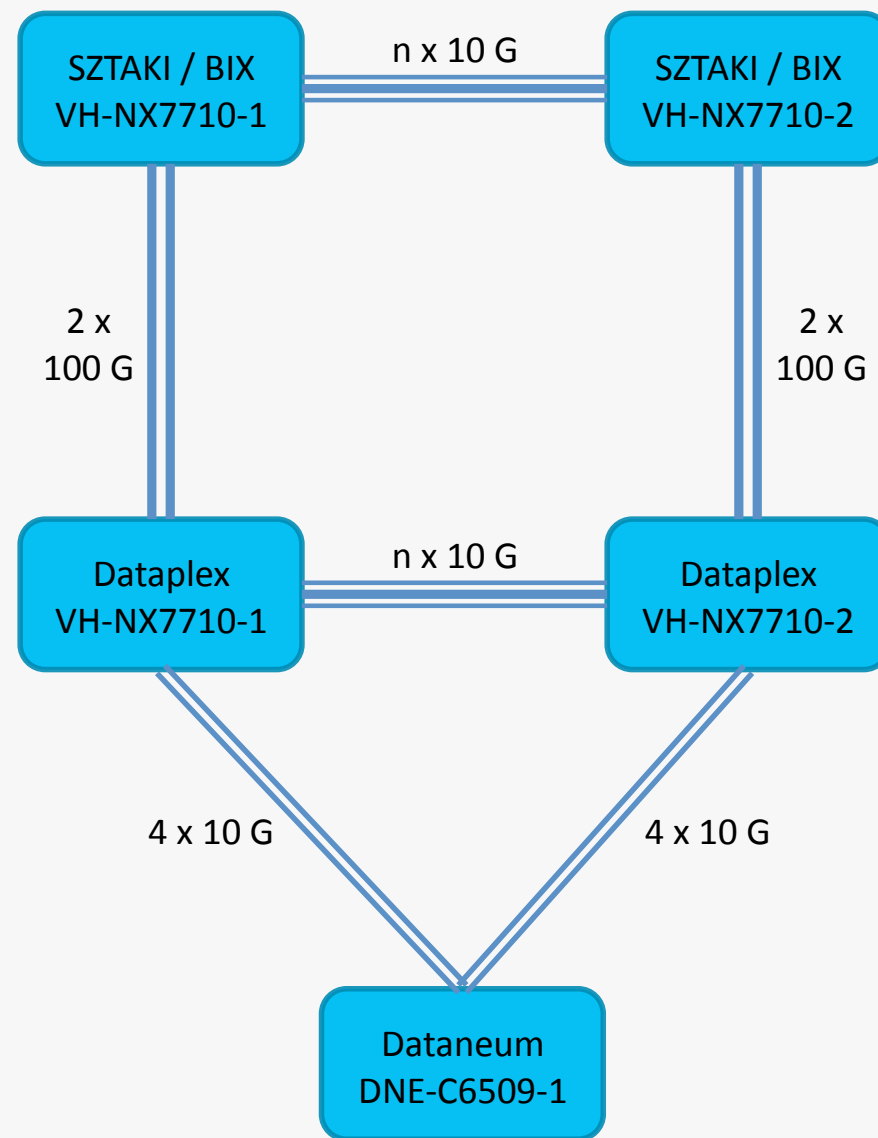
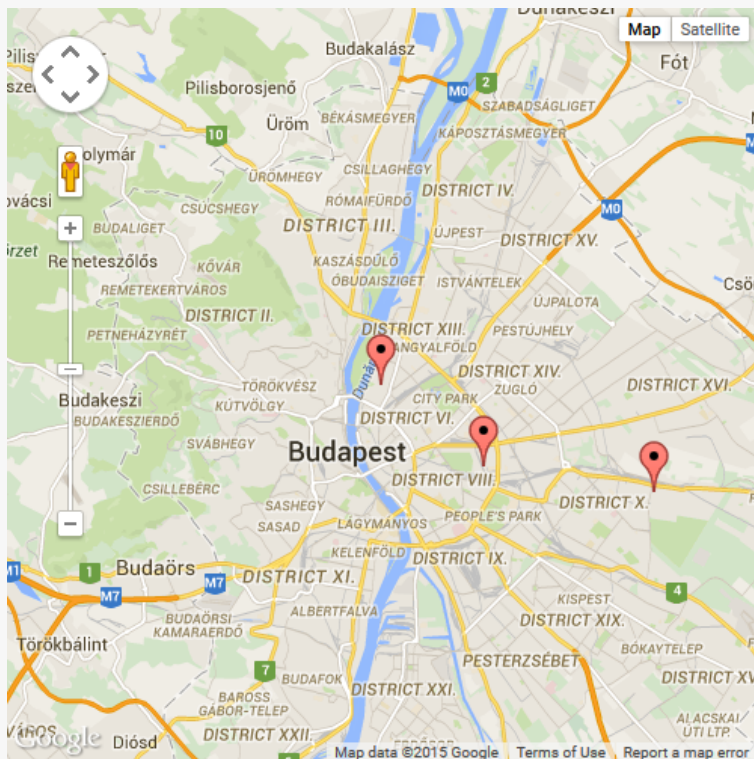
Key informations:

- Established in 1995
- 3 locations in Budapest, Hungary + Reseller program
- 52 connected members (18 international, 34 Hungarian)
- 109 ports: 91x 10GE, 18x GE (40GE, 100GE available from 2015)
- 928 Gbit/sec connected capacity
- 236 Gbit/sec aggregated peak traffic (+10% vs. last year)

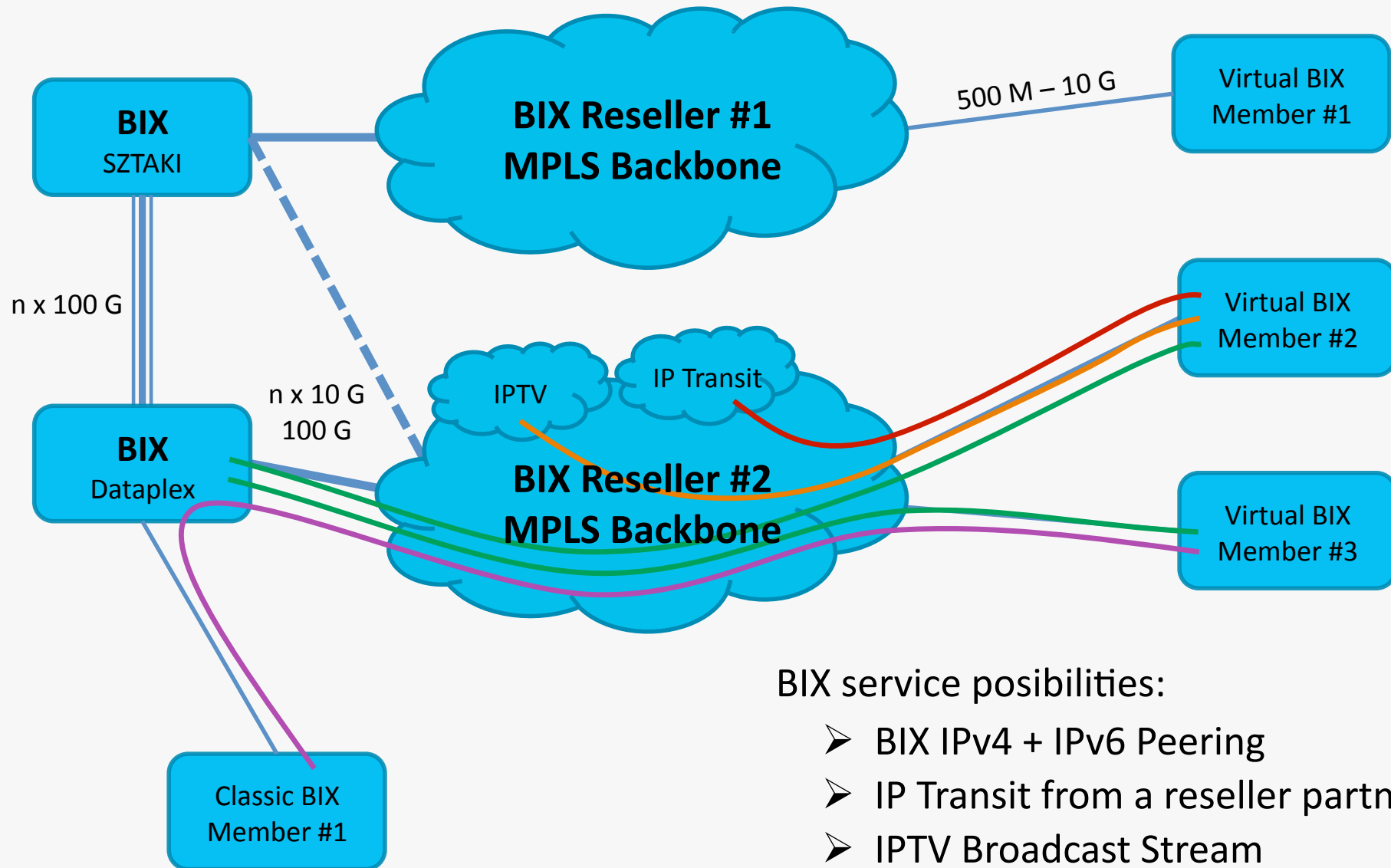


Key informations:

- Pricing model with two membership category:
 - BIX encourages Open Peering with discounted prices
 - Open Peering members must use the Route Servers
- BIRD Route Servers (IPv4 + IPv6)
 - Prefix filtering based on RIPE DB (self developed engine)
 - Support for BGP advertisement manipulations
 - Custom CISCO like Looking Glass (self developed)
 - 9500 IPv4 (42000 /w HE), 900 (13500 /w HE) IPv6 prefixes
- 100G backbone with CISCO Nexus 7710 switches



- **SZTAKI / BIX**
1132 Budapest, Victor Hugo u. 18-22.
- **Dataplex (T-Systems Cloud & Data Center)**
1087 Budapest, Asztalos Sándor u. 13.
- **Dataneum (Invitel)**
1108 Budapest, Kozma u. 2.



BIX service possibilities:

- BIX IPv4 + IPv6 Peering
- IP Transit from a reseller partner
- IPTV Broadcast Stream
- Private VLANs to BIX members

Key informations:

- Virtual BIX Members have the same services as normal Members
- Bandwidth options: 500Mbps – 10Gbps (in 500Mbps steps)
- Members must sign a policy agreement with BIX (free of charges)
- Simple indirect invoicing thru resellers (only one service invoice)
- Our first national and international reseller partners:



Port type or service	Active port monthly fee Open/Free peering ^{*(1)}	Active port monthly fee Selective/Restrictive peering ^{*(2)}	Port one-time set-up fee
first 1 Gbps	(30 eFt) 100 EUR	(48 eFt) 160 EUR	(30 eFt) 100 EUR
additional 1 Gbps	(60 eFt) 200 EUR	(96 eFt) 320 EUR	(60 eFt) 200 EUR
1st – 3rd 10 Gbps	(150 eFt) 500 EUR	(240 eFt) 800 EUR	(150 eFt) 500 EUR
4th+ 10Gbps	(100 eFt) 335 EUR	(160 eFt) 535 EUR	(150 eFt) 500 EUR
40 Gbps	(500 eFt) 1700 EUR	(800 eFt) 2700 EUR	(500 eFt) 1700 EUR
100 Gbps	(900 eFt) 3000 EUR	(1440 eFt) 4800 EUR	to be discussed
Private VLAN	(10 eFt) 35 EUR / VLAN / year		(10 eFt) 35 EUR

Prices are excluding VAT. (eFt means thousand HUF)

Remarks:

- 1) Open/Free peering members must have settlement free peering with another members.
- 2) Fees for non Open/Free peering members. These fees are the 160% of the Open/Free peering fees.

Discounts for standby ports:

- 3) The monthly fee for a standby BIX port (within the same location) is 40% of the active port fees.
- 4) The monthly fee for a standby BIX port at another location is 15% of the active port fees.

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www.bix.hu

Thank You!
