

www.VIX.at

The Vienna Internet eXchange

operated by the Vienna University
Computer Center / ACOnet

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Current Status

- May 2007: 89 participants (ASes)
 - on 119 ports
 - 19 ASes doing IPv6 peerings
- Summary peaks @ 13 Gbps
- Since March 2006 we are running on:
 - a pair of Foundry BigIron RX-16
 - without any incidents
- **Lots of 10GbEth customer ports available !!!**
- **CDN providers welcome** as regular participants

Port Security, Remote L1

- strict port security in place
 - only 1 MAC address per port allowed !
 - we accept a maximum of 2 for HW transitions
 - shutdown port when >2 MAC addresses seen
- Remote Peering-Router Connections (Layer1)
 - On request and special agreement:
 - on Dark Fibre
 - on dedicated Lambda
 - WDM / Media Converter allowed
 - but still no intermediate L2 equipment !

Charging since April 2006

SetUp Fee	once per contract	€ 1000
Switch port	100Mbps	€ 200/month
	1Gbps from	€ 700/month
	10Gbps from	€ 2200/month
RackSpace	various packages from	€ 150/month/3RUs (+50/month/RU)

New Peering Traffic Matrix

- http://www.vix.at/vix_peeringmatrix.html
 - sFlow-based
 - automatically updated every 12hrs
 - reflects the **traffic relations**, but not necessarily all peering relations at VIX (sampling 1 / 8192)
 - IPv4 / IPv6 view available
 - opt-out possible

New Web & Portal (beta)

- login area for VIX participants (beta)
 - goes production in June'07
- portal written in php, CMS is Typo3
- integrated Event Management
- Layer2 View (IP / MAC addresses)
- IXPwatch View
- Nagios View
- sFlow Peering Traffic View
- other features to come

sFlow Peering Traffic View

- sFlow based Peering Statistics
 - sampling 1 / 8192
 - written to RRD files
- Every participant only sees own statistics
- perPort(IP) and perPeer(ASN) view
- IPv4 and IPv6 view
- Top5 view ...

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Questions ?

