



www.VIX.at

The Vienna Internet eXchange Policy Update

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Ein Service der





VIX Policy Update

- Aiming at ***increasing number of participants*** we are **from May 2008:**
 - **relaxing prerequisites for a VIX connection**
 - own AS-number with properly established international connectivity
 - **allowing non-ISPs to connect**
 - **allowing remote & distance peerings, based on**
 - improved port security
 - improved monitoring tools
 - **lowering port costs**



VIX Policy & Pricing Update

- Aiming at ***enhancing connection quality and redundancy*** we are **from May 2008:**
 - generally lowering prices for 1Gb and 10Gb ports
 - offering **30% discount for dual-site connections (VIX1+VIX2)**
 - if connections are equal speed
 - if participant is load-sharing onto both connections and adhering to site-specific BGP community BCP
 - excluded from discounts: port-channels and 10/100Mb ports
 - discount will be withdrawn if one of the connections repeatedly exceeds 80% load



New Prices from May 2008 ;-)

- Look them up at http://www.vix.at/vix_costs.html
- or in the new folders:

Costs

- Registration & Setup Fee**
non-recurring, once per contract, does not include peering & setting
- Port Fee**
monthly recurring, depending on port-speed, 30% rebate they apply for equal-speed, dual-site connections
- Peering Fee**
monthly recurring, limited housing for data communications equipment and peering routers only (housing fees at VIX/Intention available on request at Intention)
▶ www.vix.at/vix_costs.html

Service	Details	Costs
Registration	once per contract	6500 €
VIX Switch Port	100 Mbps 1 Gbps 10 Gbps	250 Euro/mo 800 Euro/mo 2000 Euro/mo
Dual-site connection (equal-speed)	10 Gbps 100 Gbps	900 Euro/mo 2800 Euro/mo
Housing (in 10' Racks)	1000 Euro/mo 2000 Euro/mo 3000 Euro/mo	100 Euro/mo 200 Euro/mo 300 Euro/mo

Web Portal

- VIX participants may and should request access to the VIX web portal which is an excellent tool for debugging problems and broken peering relations and for analyzing peering traffic. The portal makes available, to registered participants only, the following status, monitoring and statistics views:
 - Peering traffic view**
gives participants access to a detailed flow-based analysis of their own peering traffic flows across the VIX
 - Layer 2 view**
shows detailed and sortable Layer 2 information, like mapping of AS numbers, IP addresses and MAC addresses
 - 100% Uptime view**
gives IPv6s about misconfigured peering routers, undetected non-IP traffic and Layer 2 anomalies
 - Network Monitoring view**
shows the network health information from the VIX Network Operation Center (NOC) monitoring screen
 - Port Statistics view**
gives participants access to the statistics graphs of their own VIX ports
 - Accounting view**
gives an indication regarding connectivity quality of VIX participants (delay/variation, loss)

More views and tools will be added
▶ www.vix.at/vix_webportal.html

VIX Vienna Internet eXchange

The Vienna Internet eXchange (VIX) was established 1996 as a basic peering facility at the University of Vienna for priority Austrian Internet Service Providers (ISPs). It has grown since then to a redundant, dual-site, high-performance, high-availability Internet Exchange Point (IXP) with national and international participants from the Central and Eastern European Region.
▶ www.vix.at

Participants have the choice to connect to VIX at either or both locations, while the redundant VIX infrastructure is both site- and provider- and operated by the University of Vienna, ensuring a robust, redundant and non-profit peering environment, for both commercial and research networks.
▶ www.vix.at/vix_participants.html

As a founding member of the Euro IX association (www.euro-ix.net), VIX has been developing its policies and technologies according to European Best Current Practices and is now offering peering opportunities also to remote participants from other regions who do not want to associate their peering nodes in Vienna. Also Content Providers and Content Delivery Networks are now welcome to connect to VIX.
▶ www.vix.at/vix_connection.html