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VIX Vienna Internet eXchange

The Vienna Internet eXchange (VIX), established in 1996 at the University of Vienna as a neutral, non-profit service, evolved into a **resilient, multi-site, high-performance and high-availability** Internet Exchange Point (IXP) for the Central and Eastern European region, still operated by the ACOnet team at the University of Vienna, Austria.

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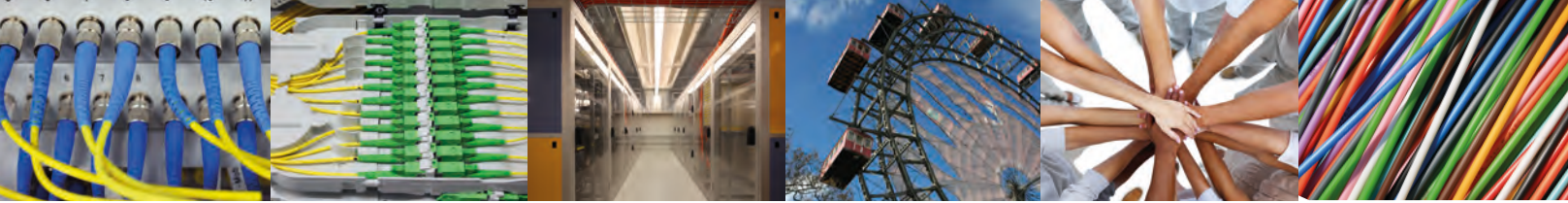
VIX Partner & Reseller Program

Through its Reseller Program the Vienna Internet eXchange allows contractual partners to offer remote peering port connections to the VIX core infrastructure in Vienna, Austria.

Benefits of the VIX Partner & Reseller Program

- One-stop shop service: partner provides IP transport, VIX peering port and customer relationship
- The „remote peering port“ gets directly delivered to the remote participant
- Lower port capacity available (from 500 Mbps)





Technical Facts

VIX uses identical state-of-the-art ethernet switching technology at all three locations:

- ▶ **Brocade MLXe** non-blocking high-performance VPLS-switches
- ▶ Redundant switch-fabrics and management-processors
- ▶ Redundant power-supplies and power-feeds
- ▶ Interconnected by path-redundant fiber links
- ▶ Redundant set of **Route Servers**, conveniently supporting IPv4 & IPv6 (optional use)
- ▶ Connections with up to **100 Gbit/s** per ethernet port
- ▶ **Discounts** for **dual-site** or **100Gbit/s** connections
- ▶ Link aggregation supported
- ▶ Layer2 (MAC) address security/filtering
- ▶ IPv4 and IPv6 peering supported on the same peering-LAN
- ▶ sFlow based Peering Traffic Matrix

With more than 130 members connecting from 25 different countries, VIX offers access to a large number of international peering partners. VIX connects a diverse mix of Internet companies including **Internet Service Providers, Content Delivery Networks, Content and Cloud Providers and Corporate Networks.**

As a founding member of the **European Internet Exchange Association Euro-IX**, VIX has developed its policies and technologies according to European best current practices.



Why choose VIX?

- ▶ Cost-effective means of exchanging traffic
- ▶ Diverse international peering community at the heart of Central Europe
- ▶ To improve performance and redundancy
- ▶ Reliable and sustainable infrastructure in a stable and peering-friendly environment

Triangle Topology

All 3 VIX locations are **interconnected** using path-redundant fiber links, forming a resilient **triangle topology.**



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