



www.VIX.at

The Vienna Internet eXchange

CEE Peering Day 2015

Vienna, 18./19. March 2015

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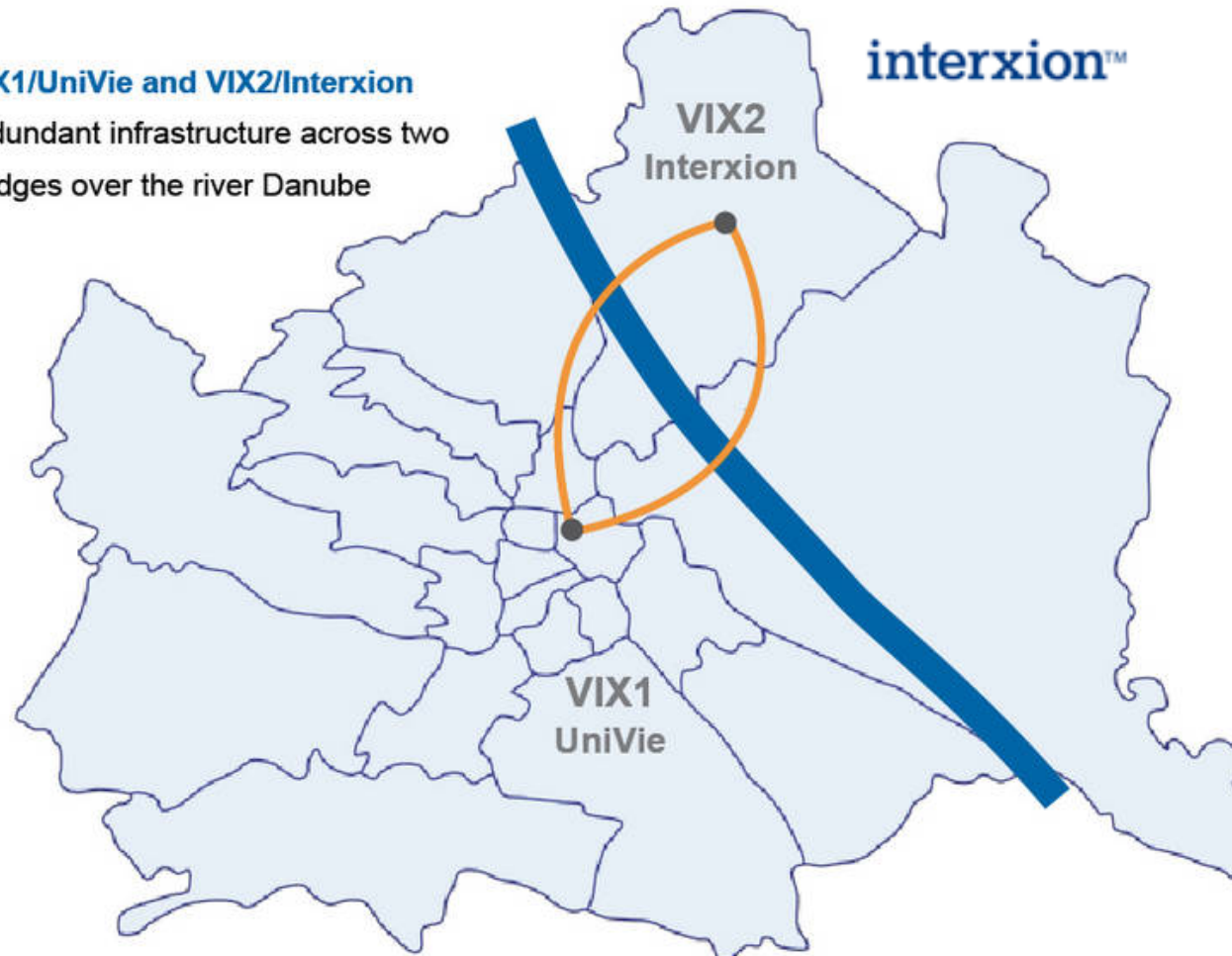
Ein Service der





Established 1996 – dual-site since 2001

VIX1/UniVie and VIX2/Interxion
redundant infrastructure across two
bridges over the river Danube





Current Status VIX (March 2015)

- VIX switching infrastructure still **operated by the Vienna University** Computer Center / ACOnet - Team
- neutral, robust, resilient and non-profit peering environment for the academic and commercial Internet market in the CEE region
- Overall availability of VIX since 1996 better than 99.99%
 - in every single year since 2001 (dual-site) better than 99.98%
- **121 active participants** (AS numbers)
 - on **182 ports** (IPv6 on 112 of them)
 - 100 participant ports @10GbEth
- traffic summary peaks > 240 Gbps (~ 2‰ IPv6 ☹)
- inter-site capacity 160 Gbps / typical inter-site traffic < 35 Gbps
- **well accepted Route Servers with convenient Admin Web-GUI**



Peering Situation @ VIX (March 2015)

- ~ 50% (increasing) of VIX participants from outside Austria
 - Carriers, ISPs, CDNs, Content/Hosters, Cloud Providers ...
- ~ 65% of the participants have an Open Peering Policy
- focussed on CEE regional peering



Core Hardware since October 2013

- **Core: 2 x Brocade MLXe-32**
- 6 Tbit chassis capacity
- optimised for 10Gbit Ports
- 100Gbit Ports available
- VPLS
- Planned Summer 2015:
 - Carrier/Reseller Ports
 - Private Peering VLANs
- Other services on demand

BROCADE 



euromicron
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New port options

To facilitate **easier migration towards higher connection speeds**, the Vienna Internet eXchange offers the following

- **two new port types:**
 - **2.5 Gbit/s** and **5 Gbit/s** (physical 10GBase-LR)
- from May 2015:
 - **100Gbit/s** Ports
- **attractive options to connect via resellers**
 - work (still ☹) in progress
 - talk to us if interested !



IPv4 Peering-LAN got space to grow

- IPv4 Peering-LAN address 193.203.0.0/24
 - recently got a “sister”: 193.203.1.0/24
 - to be merged soon into: **193.203.0.0/23**

**Thanks to our MARnet colleagues (Macedonian NREN)
and University of Skopje !**



Coming soon ... (Summer 2015)

- New carrier-neutral datacenter provider:
 - www.e-shelter.at soon opening in Vienna !
- **VIX3** site in the south of Vienna, will be interconnected with VIX1 @ UniVie and VIX2 @ Interxion
- Additional resilience and disaster tolerance options



interxion™

e-shelter

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Comments ?
Questions ?
Suggestions ?

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