



Meet the Vienna Internet eXchange

@ InterXion
28. January 2014

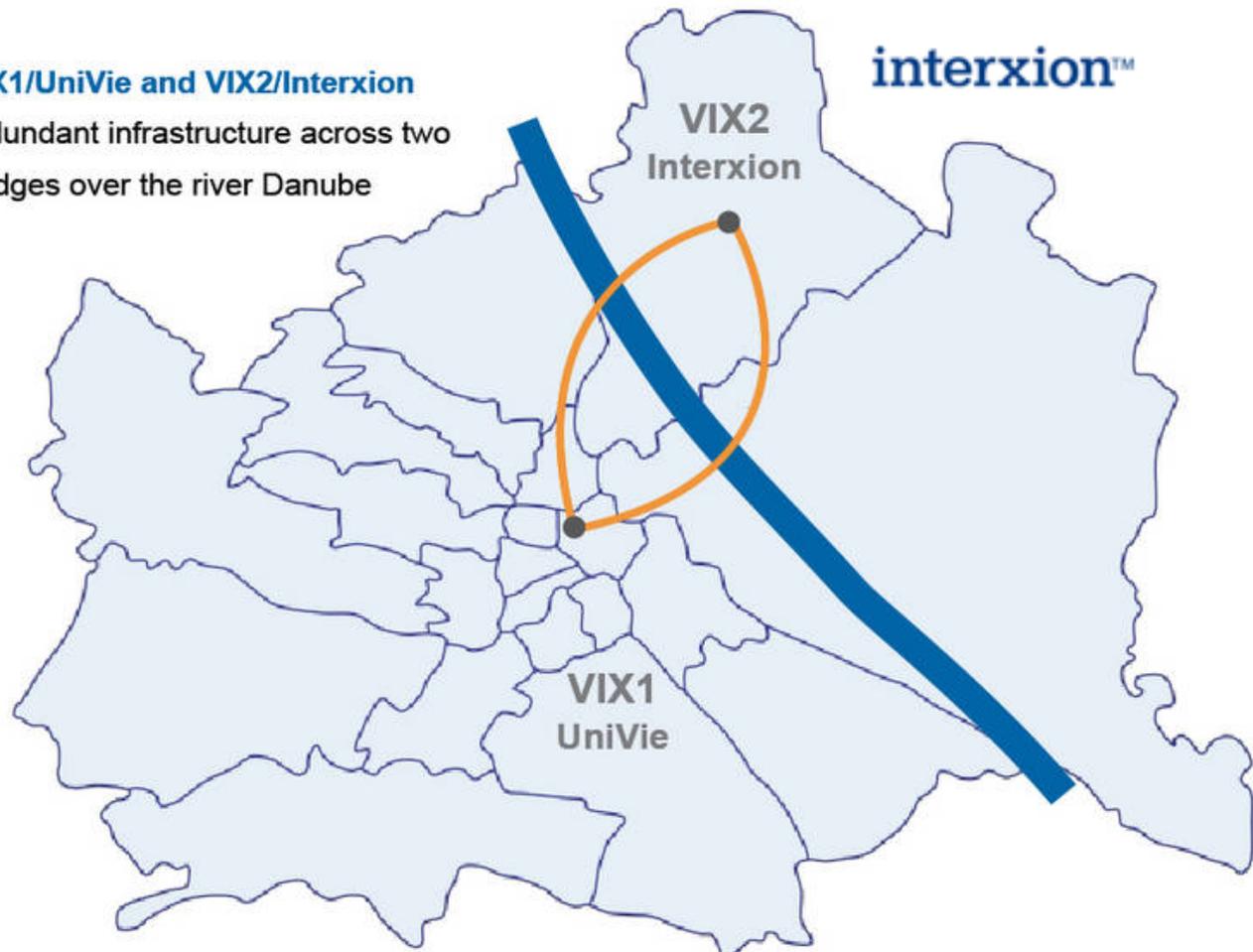
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Ein Service der

Dual-Site since 2001

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



The Days after 2001

- massive consolidations in the ISP market in Austria
- Telekom Austria (A1TA) was incorporating many alternative ISPs (incl ATnet, eTel, EUNET, ...)
- Others have been taken over by
 - Tele2 (e.g. UTA/Netway/SilverServer)
 - UPC (e.g. Inode)
- Today only 5 big “eyeball” providers in Austria:
 - A1 Telekom Austria (wired & mobile)
 - Hutchison 3 (mobile)
 - T-Mobile (mobile)
 - Tele2
 - UPC



Current Status VIX (Jan 2014)

- 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 **170 ports** (IPv6 on 103 of them)
 - 64 participant ports @10GbEth
- traffic summary peaks > 160 Gbps
- inter-site capacity 160 Gbps / typical inter-site traffic < 15 Gbps
- **New Traffic Peaks to be expected during Winter Olympics 2014 !**
 - 7. – 23. Feb. 2014
- well accepted Route Server with convenient Admin Web-GUI



Peering Situation @ VIX (Jan 2014)

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

New Services @ VIX

- **Why new services?**
 - Increasing value of VIX for existing participants
 - Attracting new participants
 - Broadening peering community and Internet market place in Vienna

New Services @ VIX

- **Which new services?** (...to be discussed and assessed)
 - NGN / Voice / Multimedia Peering Services
 - Partner / Carrier / Reseller Programme
 - Closed User Group VLANs (with SLAs ?)
 - Encrypted Intersite Links
 - Other ...



New Services @ VIX

- **NGN / Voice / Multimedia Peering Services**
 - Discussion please !

New Services @ VIX

- **Partner / Carrier / Reseller Programme**
 - Make it easier to connect and try
 - Aggregate small participants
 - Easy to migrate between direct and reseller connection
 - Use additional marketing and sales channels

New Services @ VIX

- **Closed User Group VLANs (with SLAs ?)**
 - For Peering Purposes only
 - bilateral or multilateral

New Services @ VIX

- **Encrypted Intersite Links**
 - To be discussed (cost / efficiency)

New Services @ VIX

- Other ...



Coming later ... (expected Spring 2015)

- **New big carrier-neutral datacenter provider approaching Vienna !**
- 3rd VIX site in the south of Vienna
- Additional resilience and disaster tolerance options

Events and Workshops 2014

- Invitation:
 - **CEE Peering Day 2014** (<http://www.peeringday.eu/>)
 - **Mon/Tue, 3./4. March 2014** in Vienna
 - again jointly hosted by NIX.CZ and VIX.at
 - incl. **RIPE Workshop/Tutorial** on Mon, 3. March
 - 200-250 participants expected
 - **Partners & Sponsors welcome**
 - talk to us if you are interested!

Comments ?
Questions ?
Suggestions ?

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