



The new VIX - Status update

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switch infrastructure - 2006



Vienna University – VIX1
Universitätsstraße 7
1010 WIEN

10 Gigabit Ethernet

3 Gbit/sec daily max

10 Gigabit Ethernet

**12,5 Gbit/sec
daily max**



Interxion – VIX2
Shuttleworthstraße 4-8
1210 WIEN



“old” switch infrastructure - 2013



Vienna University – VIX1
Universitätsstraße 7
1010 WIEN

40 Gigabit Ethernet

12 Gbit/sec daily max

40 Gigabit Ethernet

150 Gbit/sec
daily max



Interxion – VIX2
Louis-Häfliger-Gasse 10
1210 WIEN

- **Plain Layer 2**
- **2 VLANs**
 - **Production**
 - **Quarantine**

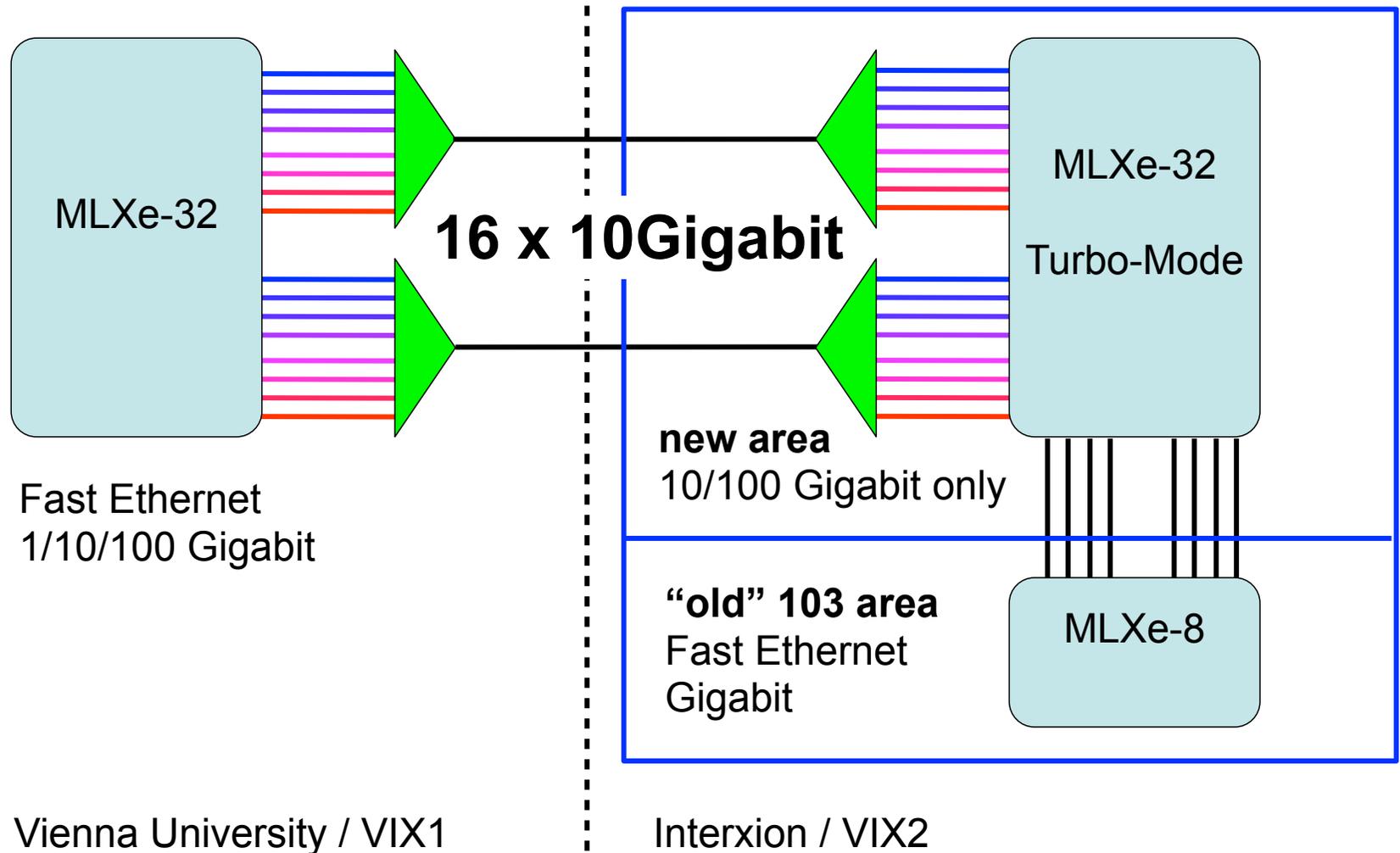
“new” infrastructure - 2013

- Brocade MLXe-Routers
 - 2 x MLXe-32, 2 x MLXe-8
 - Ready for 100 Gigabit Ethernet
 - 9 x 10Gig Ports of RX-16





“new” infrastructure - 2013

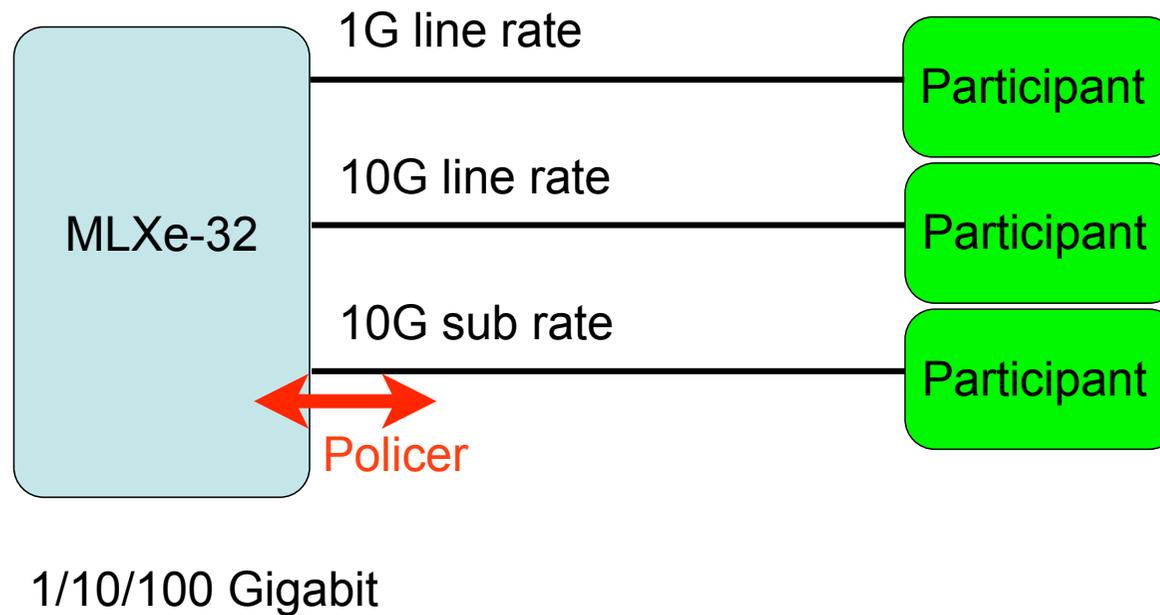




why new area at Interxion?

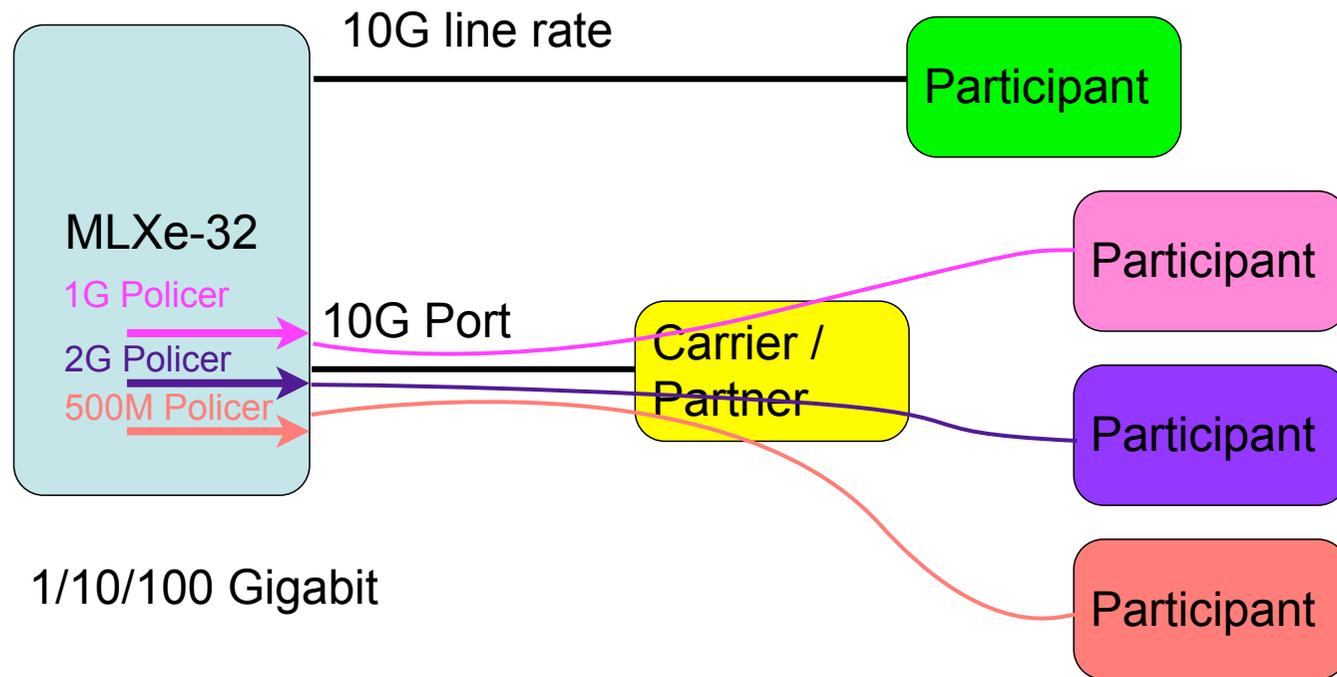
- old space
 - Power and space limitations
 - old “near to useless” infrastructure
 - multimode fiber
 - copper
- new space
 - single-mode fiber only, 10G+ connection speeds
 - higher power and space resources
 - active (D)WDM equipment
 - new platform in “some” years

connection scenarios - direct connections





connection scenarios - carrier ports



virtual and logical ports end up in the same VPLS instance - directly layer 2 connected



new features at VIX

- No Layer 2 network anymore
 - Routed Backbone
 - VPLS for Peering and Quarantine LAN
- Port security now based on Layer 2 acl
 - MAC address updates have to be sent to noc@vix.at
 - plan to integrate in VIX portal for self-service
- Carrier/Partner ports possible
 - support of tagged ports
 - packets can be mapped to any VPLS instance
 - outgoing traffic can be policed per VLAN
 - same statistic-information like on physical port

 - (pricing and vix connection agreement needs to be adopted)



site specific communities @ VIX

- important to keep traffic local
- saves cost for VIX infrastructure and
 - leads to lower port prices :-)
- EVERYONE has to use it
 - also single-connected ASes
 - how should others know where you are?
- description look at http://www.vix.at/vix_bgp.html



current ports / pricing per month

1 GBit/s	€ 400
10 GBit/s (1 st port per site)	€ 1000
10 GBit/s (from 2 nd port per site)	€ 800

30 % Dual-Site discount

connected to both sites with same speed and keep traffic local

http://www.vix.at/vix_costs.html



Questions?

Route-Servers already enabled?

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