

RIPE 57 - EIX WG DUBAI, UAE

EURO-IX UPDATE

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EURO-IX

RIPE 57 - DUBAI, UNITED ARAB EMIRATES - OCTOBER 2008

What is Euro-IX?

- European Internet Exchange Association
- Formed in May 2001
- The association's aim is to further develop, strengthen and improve the Internet Exchange Point (IXP) community
- Since January 2005 Euro-IX has invited IXPs outside of Europe to join the association

Current Euro-IX affiliates

- 46 affiliated IXPs:

- ▶ Europe: 38 (27 different countries)

- **Lyonix of Lyon France rejoined Euro-IX**

- **RIX: Reykjavik Internet Exchange in Iceland**

- ▶ **Africa: MEIX – Cairo, Egypt (operated by GPX)**

- ▶ Asia: 4 (Japan & Nepal)

- ▶ United States: 3

- 6 affiliated patrons:

Cisco

Extreme Networks

Force10 Networks

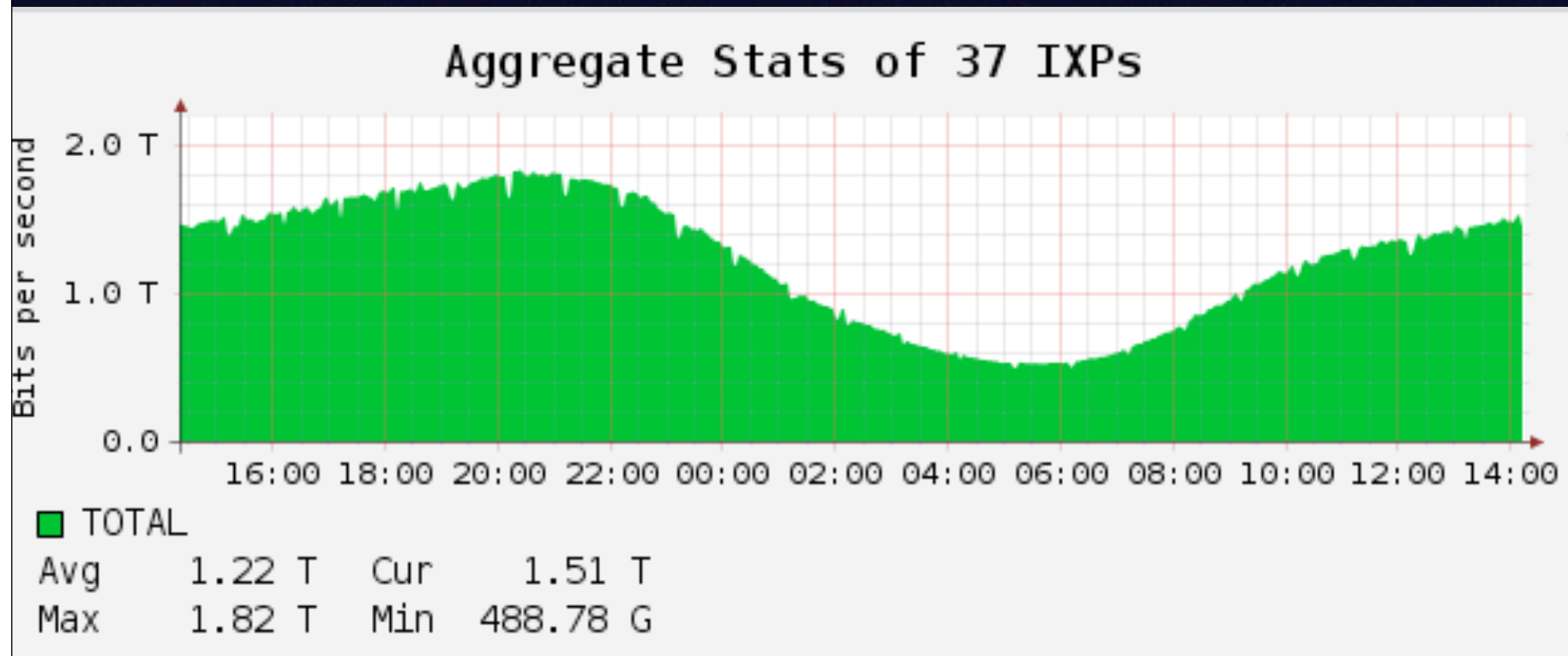
Foundry Networks

Glimmerglass

TelecityGroup

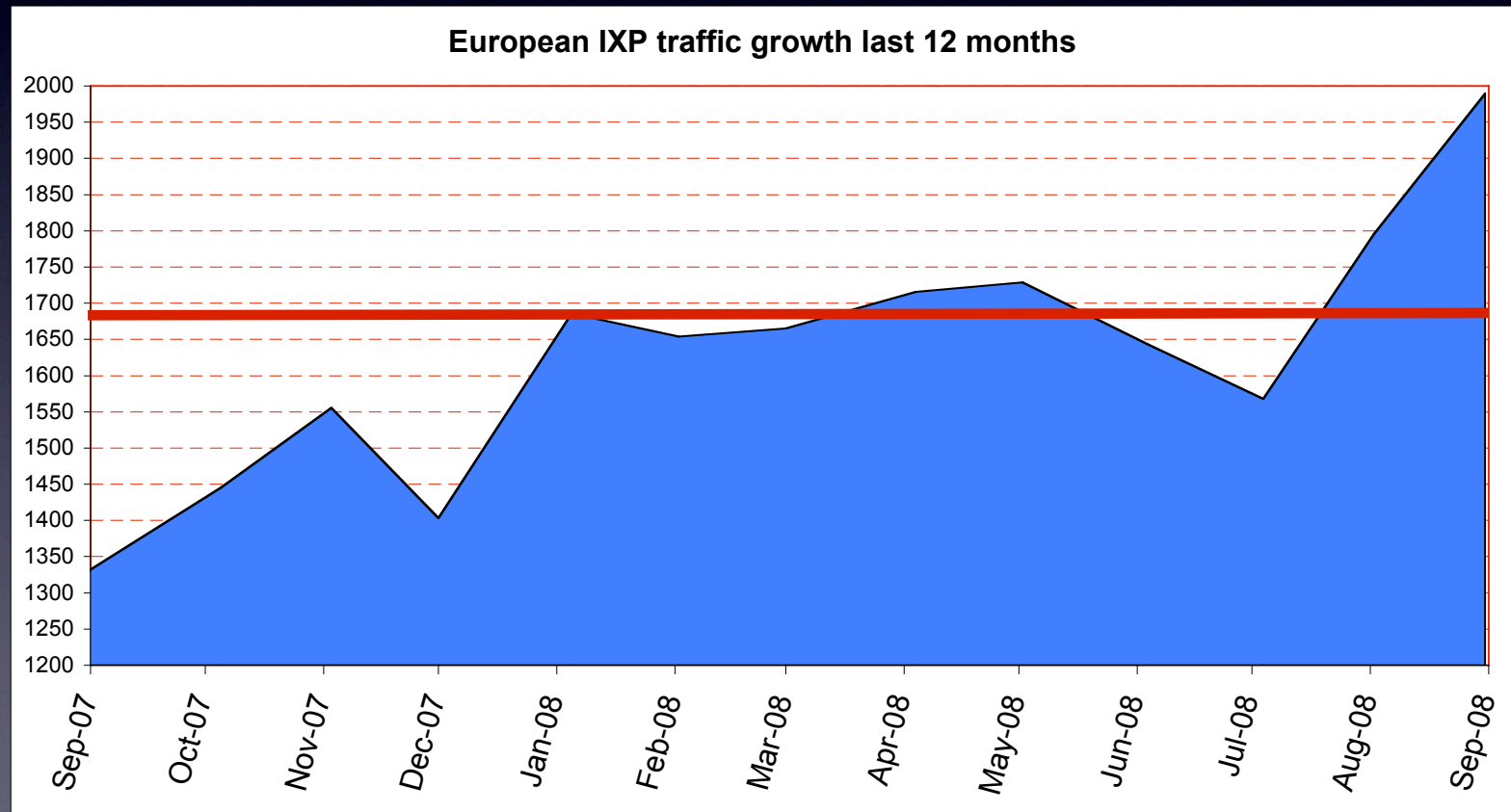
Euro-IX IXP traffic

- Real time European member statistics
- Makes up more than 90% of all European IXP traffic
- Weekday: Peak at 20:30 CET; low at 05:30 CET



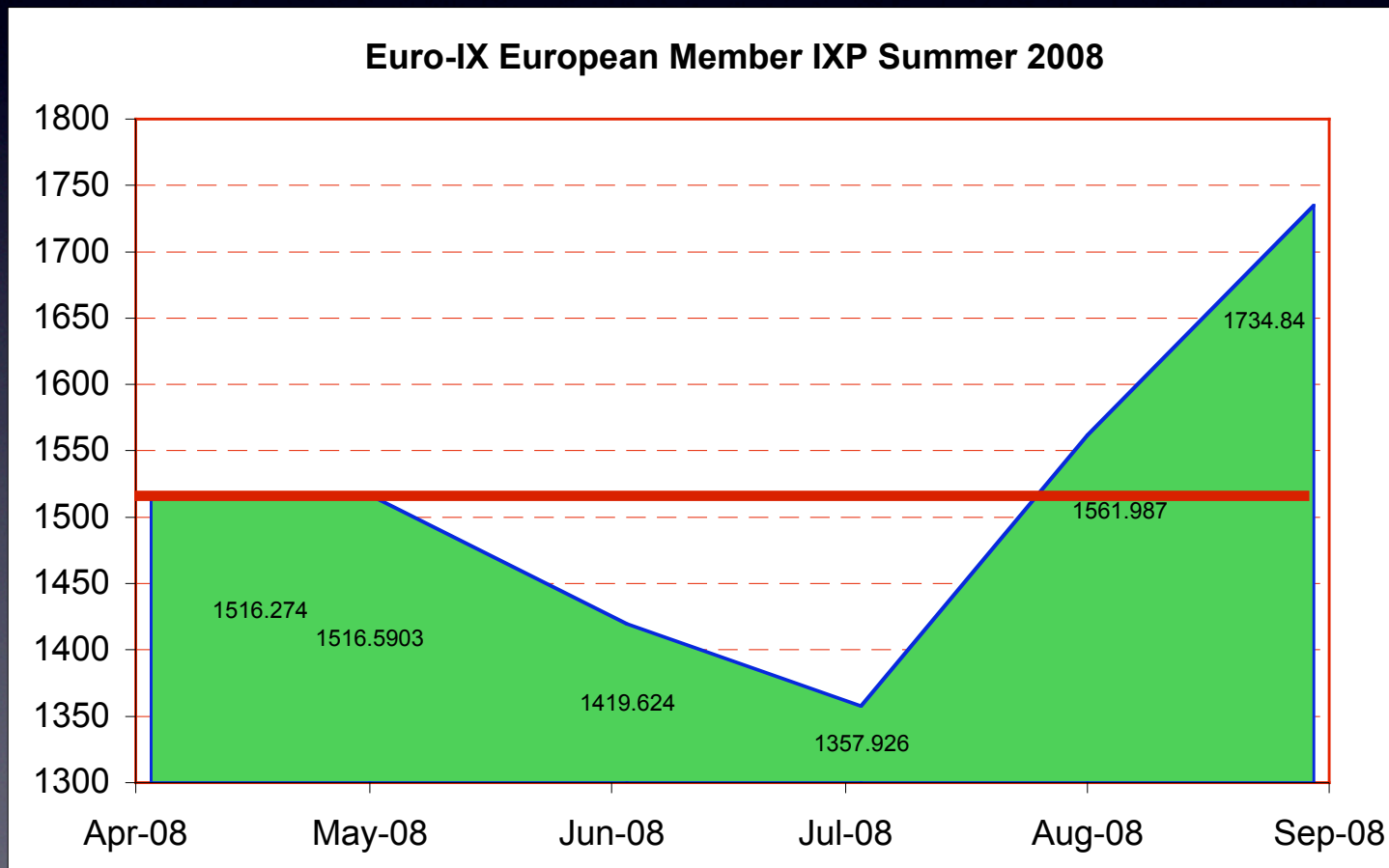
European IXP traffic

- Combined European IXP peak traffic has risen from:
 - 1.332 Tbps end Sept '07 to 1.989 Tbps end Sept '08
 - 657 Gbps or 50% increase in the past 12 months

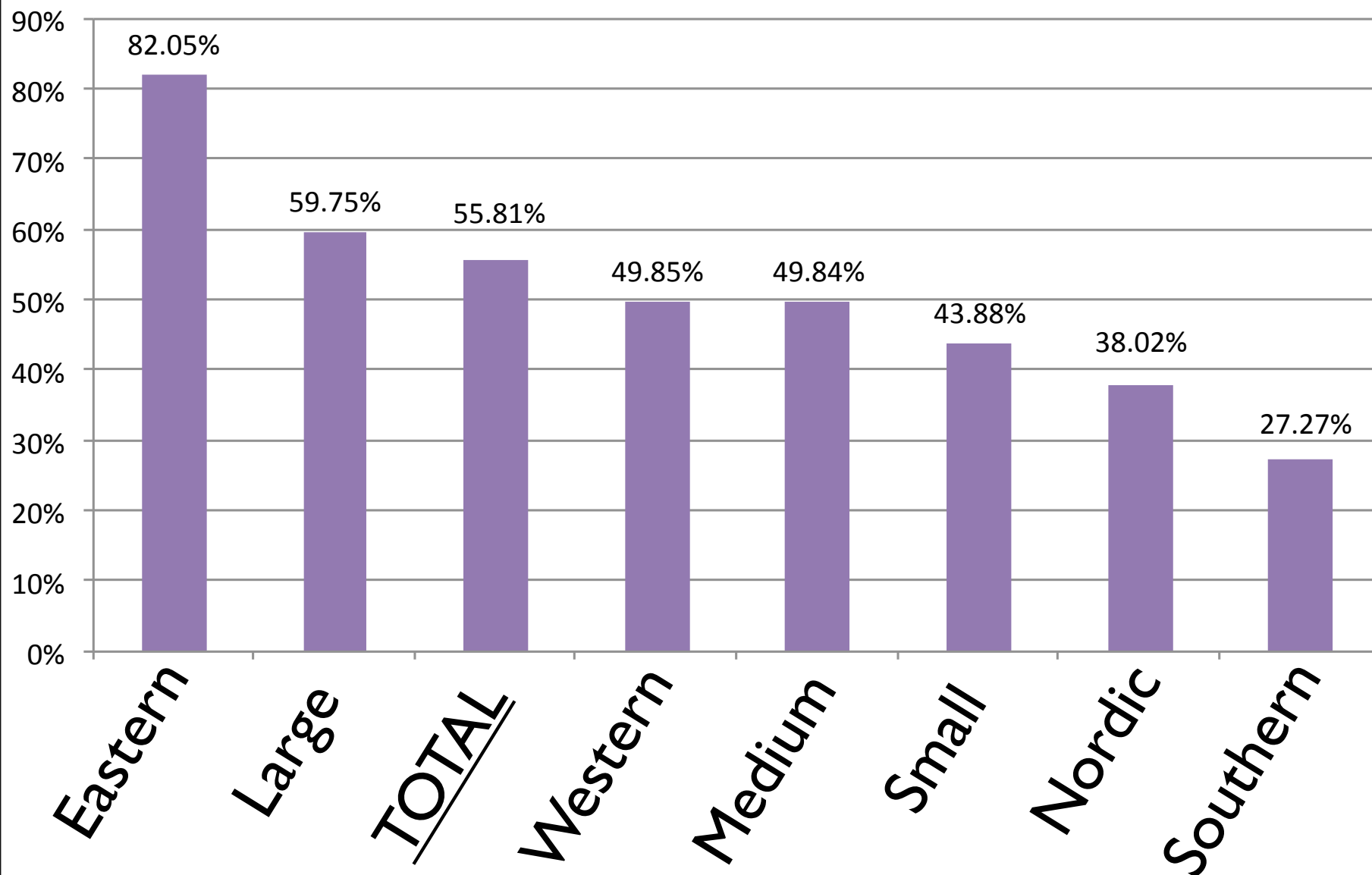


2008 Summer IXP traffic

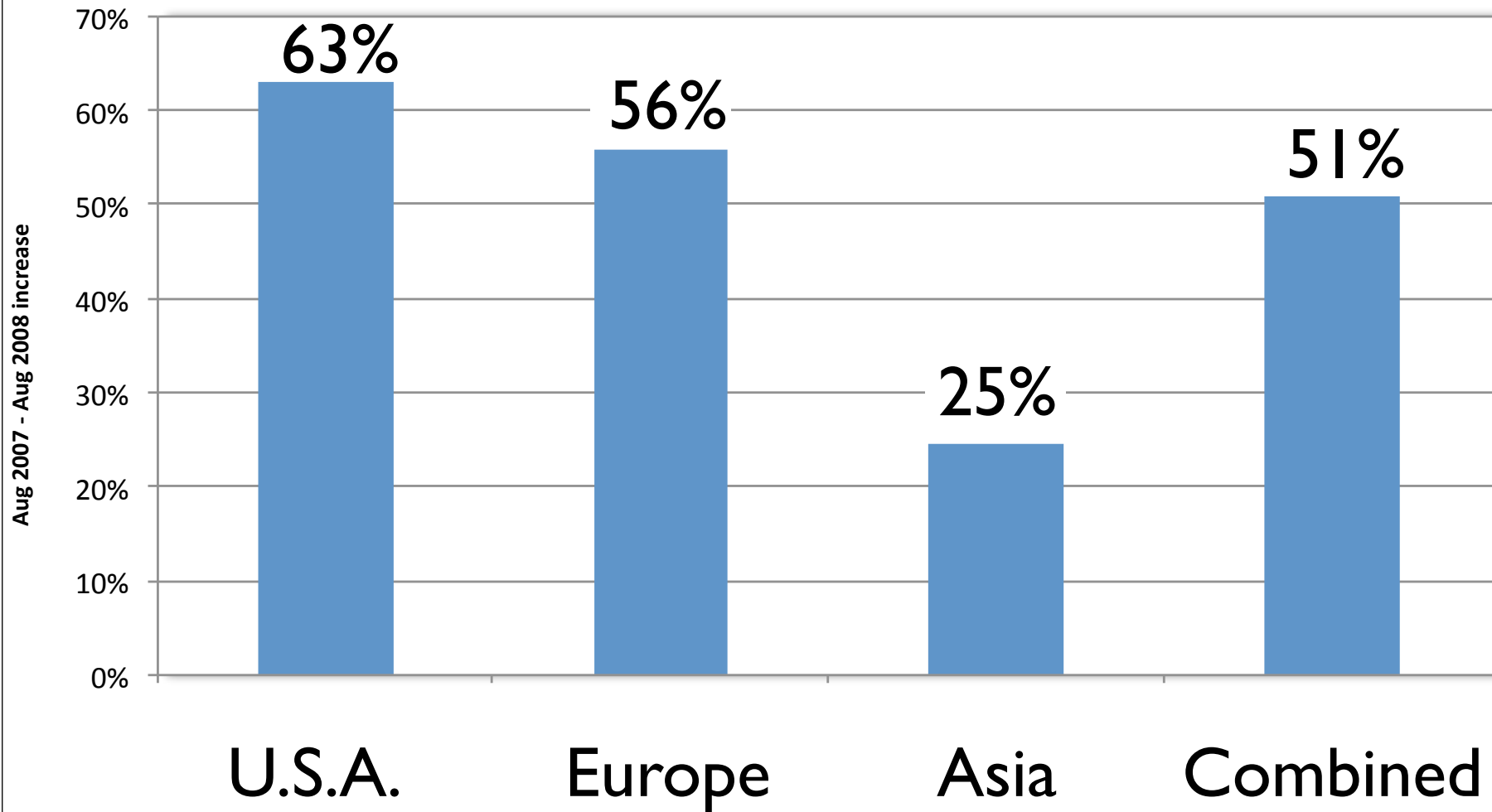
- The increase in peak traffic from the end of April to the end of August 2008 was only 3.17% in 4 months
- In 2007 the increase was 18.3% & 2006 14.95%



Categorised IXP annual peak traffic growth rates 2007 - 2008

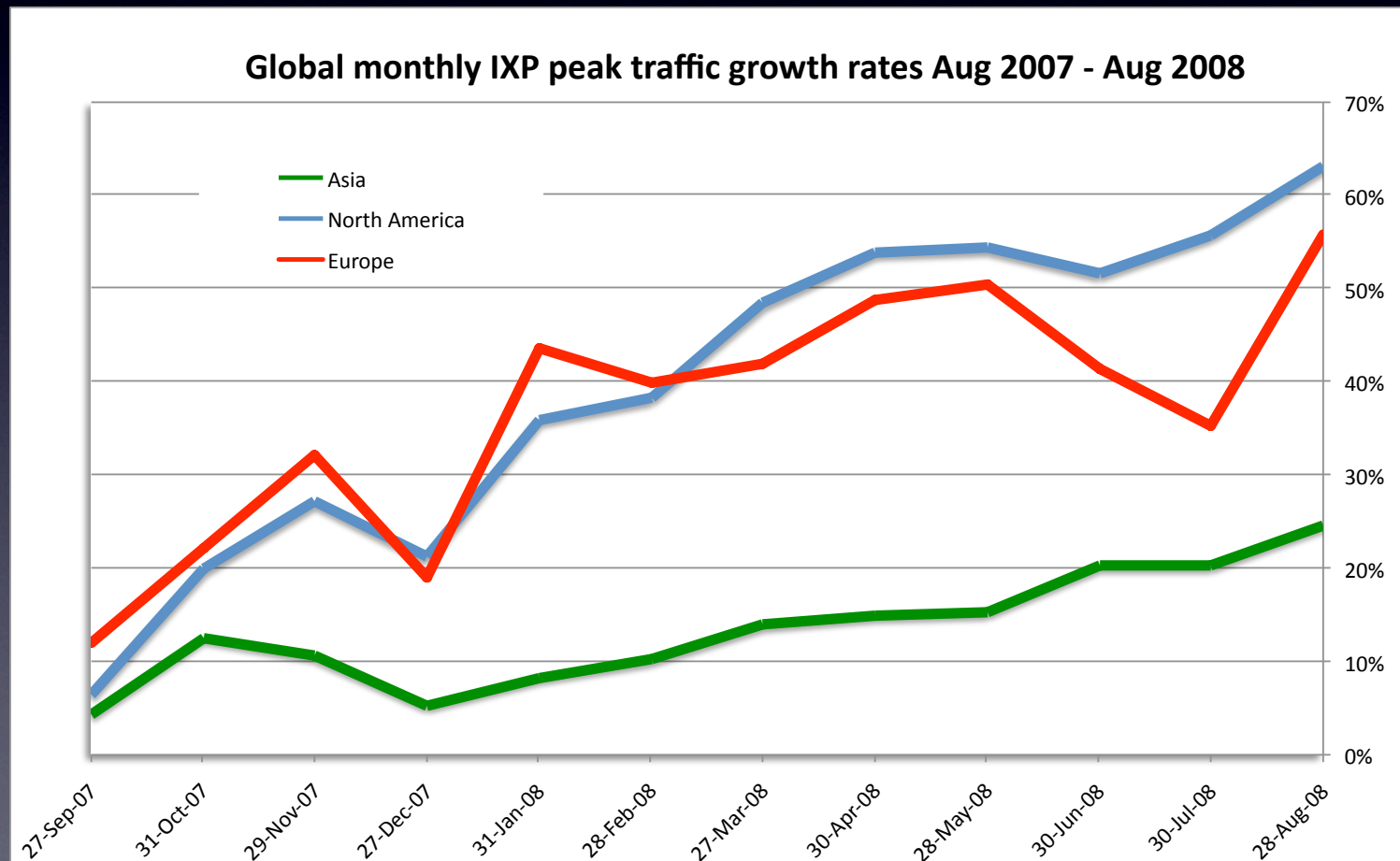


Global annual IXP peak traffic growth rates 2007 - 2008



Global IXP comparison

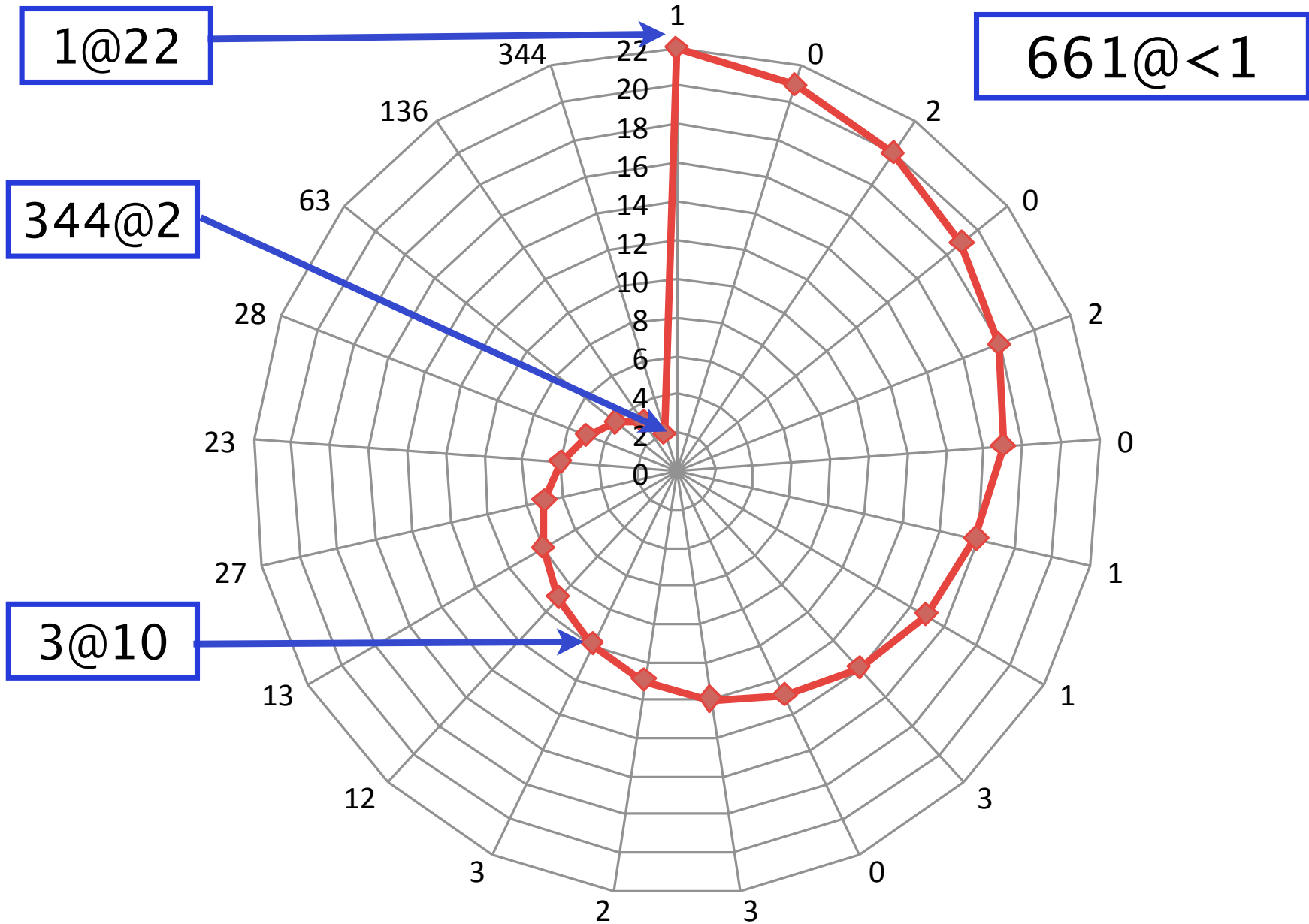
- US and Europe generally mirror one another, however Europe seems to be more reactive to Christmas/New Year & Summer vacations



IXP participants

- 4.368 participants at 105 IXPs across Europe
- 2.600 of these have unique ASNs
- 661 ASNs present at > 1 IXP in Europe
- 18 ASNs present at > 9 IXPs in Europe
 - Average of 44 participants per IXP
 - Average of 455 Mbps per participant

ASNs present at multiple IXPs



Euro-IX News

- 13th Euro-IX Forum to be held in Geneva on the 10th and 11th of November. Already 100 registered attendees from 40 IXPs!
- 2008 report on European IXPs is now available
 - ▶ Euro-IX public 'Resources' section
 - ▶ <http://www.euro-ix.net/resources/>
- Film competition: The Internet Revealed

EUROPEAN INTERNET EXCHANGE ASSOCIATION

[HTTP://WWW.EURO-IX.NET](http://www.euro-ix.net)

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