

RIPE 61 - EIX WG ROMA

EURO-IX UPDATE

BY SERGE RADOVCIC
EURO-IX

RIPE 61 - ROME, ITALY - NOVEMBER 2010

The IXP Scene in 2010

(end August)	2009	2010	Increase
IXPs	121	127	5%
Countries	33	35*	6%
Sites	389	415	7%
Participants	5167	5638	9%
Unique participants	3090	3350	8%
Participants at more than one IXP	728	904	24%
Participants at 10 or more IXPs	29	36	24%

“IXP-less” countries in Europe

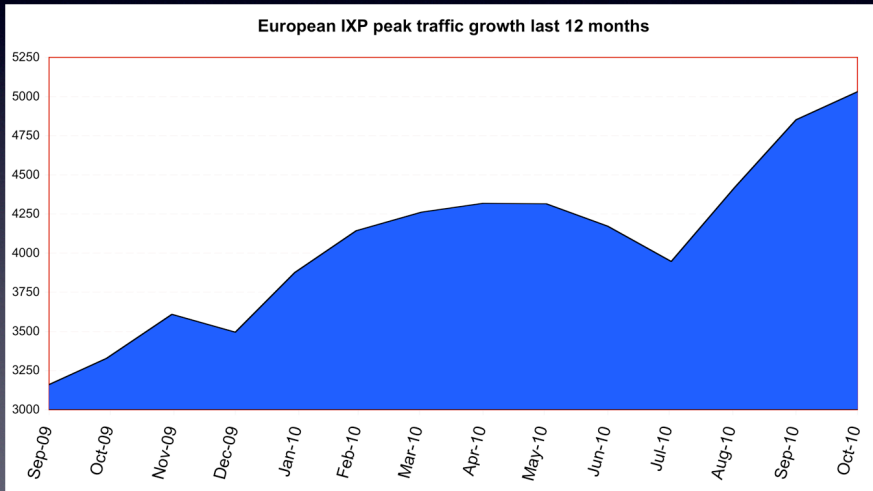
- Albania
 - Bosnia
 - Kosovo
 - Macedonia
 - Serbia
- 
- All in the Balkan region

Efforts are underway in all these countries.

Euro-IX, PCH, RIPE and MENOG recently got together in Istanbul to produce a “Starting an IXP” conference in an attempt to help!

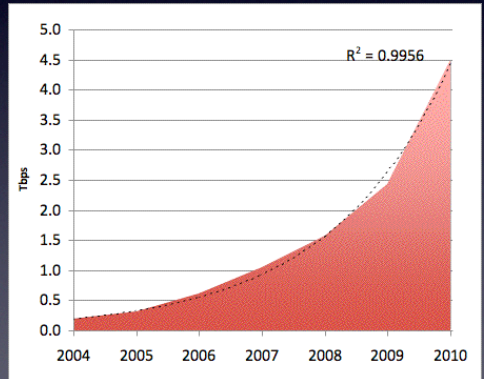
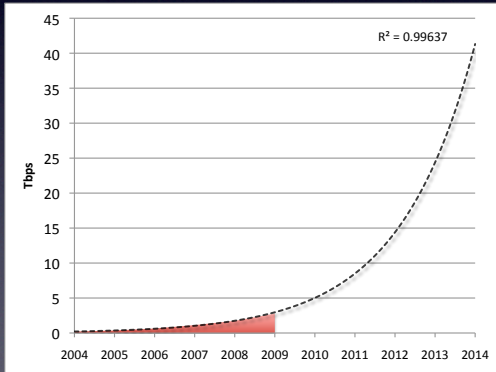
European IXP traffic

- Combined European IXP peak traffic has risen from:
 - 3.328 Tbps end Oct '09 to 5.037 Tbps end Oct '10
 - 1.709 Tbps or 51% increase in the past 12 months



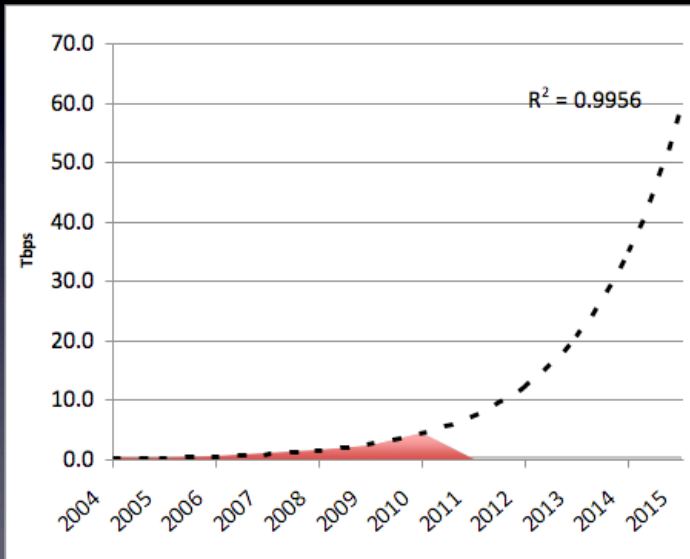
Last year's IXP traffic projection

(from RIPE 59 EIX in Lisbon)

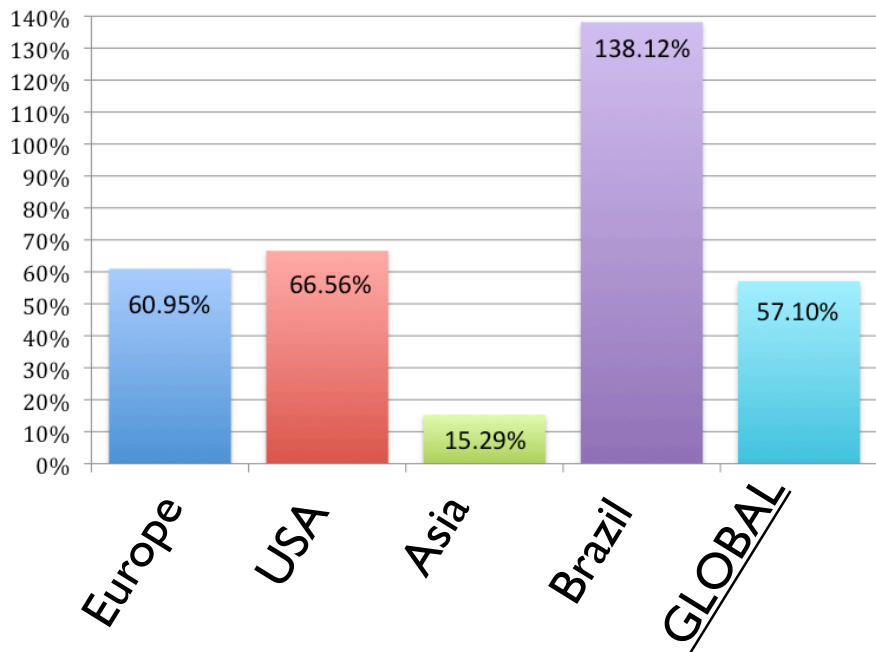


5 year peak IXP traffic projection

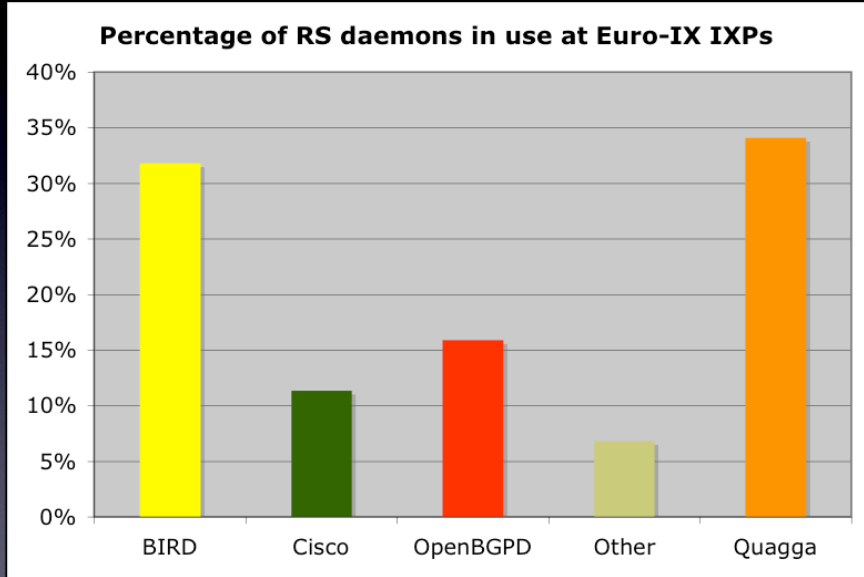
Exponential trend line suggests 60 Tbps by end 2015



Global peak IXP growth Aug 2009 – Aug 2010



Route servers at Euro-IX IXPs



IPv6 at IXPs

IPv6 active participants?

Amount of IPv6 traffic?

Coming soon.....

2010 Report on European IXPs

- 60 page report on the European IXP scene
- Currently being reviewed by our membership
- Will be made publicly available after the 22nd of November at:

www.euro-ix.net/resources/

News (1): Euro-IX affiliates

- 52 affiliated IXPs:
 - ▶ Europe: 41 members
(operating some 63 IXPs in 25 different countries)
 - ▶ Rest of the world: 11 IXPs
 - ▶ 11 industry related patrons

News (2): Euro-IX affiliates

- Latest Euro-IX affiliated IXPs
 - ▶ ECIX (Berlin, Dusseldorf and Hamburg)
 - ▶ CAR-IX (Curacao)
 - ▶ PTTMetro Brazil (14 cities)
 - ▶ France-IX (Paris)

News (3): Joining Euro-IX

- ▶ All IXPs are invited to join Euro-IX
- ▶ Euro-IX has now introduced a Remote Associate Membership category for European IXPs
 - ▶ Still receive access to restricted area of website, mailing lists, databases, listing on our website, inclusion in ASN matrix etc.
 - ▶ Assumption is that they won't participate in Euro-IX Forums
 - ▶ Annual membership fee is considerably less

News (4): Euro-IX Forums

- Last Euro-IX Forum was in Oslo
 - ▶ Hosted by NIX Norway
 - ▶ 42 IXP's were represented
- 18th Euro-IX Forum will be in Catania Sicily
 - ▶ Hosted by MIX of Milan
 - ▶ Date: 30th and 31st of May 2011
 - ▶ Contact Serge if you wish to attend

EUROPEAN INTERNET EXCHANGE ASSOCIATION

EURO-IX

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

SERGE@EURO-IX.NET