



# **RIPE67 @ Athens**

## **EIX wishlist update**

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# EIX wishlist

- <http://www.ripe.net/ripe/groups/wg/eix/ixp-wishlist>

www.ripe.net/ripe/groups/wg/eix

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### EIX Working Group

— EIX, RIPE WORKING GROUP

The EIX working group provides a means for the RIPE ISP community to find out about the status and activities of Internet Exchange Points within the RIPE geographical area.

To post a message to all the list members, send an email to [eix-wg@ripe.net](mailto:eix-wg@ripe.net). Please note that only subscribers can post messages.

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#### Co-chairs

Fearghas McKay

Andy Davidson

[Contact EIX Working Group Chair\(s\)](#)

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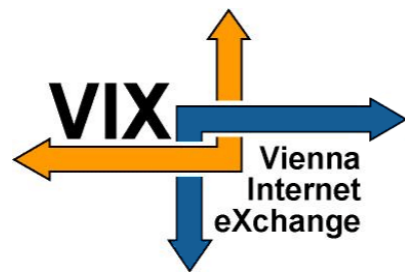
The European Internet Exchange (EIX) Working Group provides a way for the RIPE community to follow the status and activities of Internet Exchange Points in the region. To post a message to the list, send an email to [eix-wg@ripe.net](mailto:eix-wg@ripe.net). Please note that only subscribers can post messages.

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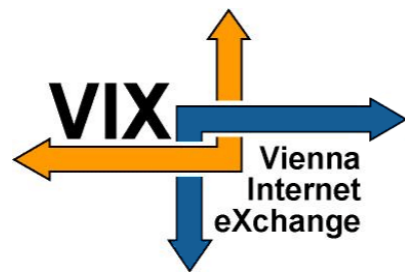
## EIX wishlist

- new draft version posted to EIX-WG on October 3rd
- Many thanks for feedback!!!
  - Arnold Nipper
  - Paolo Lucente



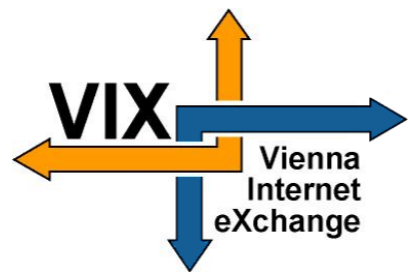
## wishlist updates

- 5.4.2 flow export
  - now more generic
  - added IPFIX - RFC7015
  - added netflow v9 - RFC3954
  
- 6.2.1 port based accesscontrol
  - so far only source-mac
  - why not also filter destination macs?
  
- 6.3 ARP / ND optimisation
  
- 7.1 move VPLS up in structure

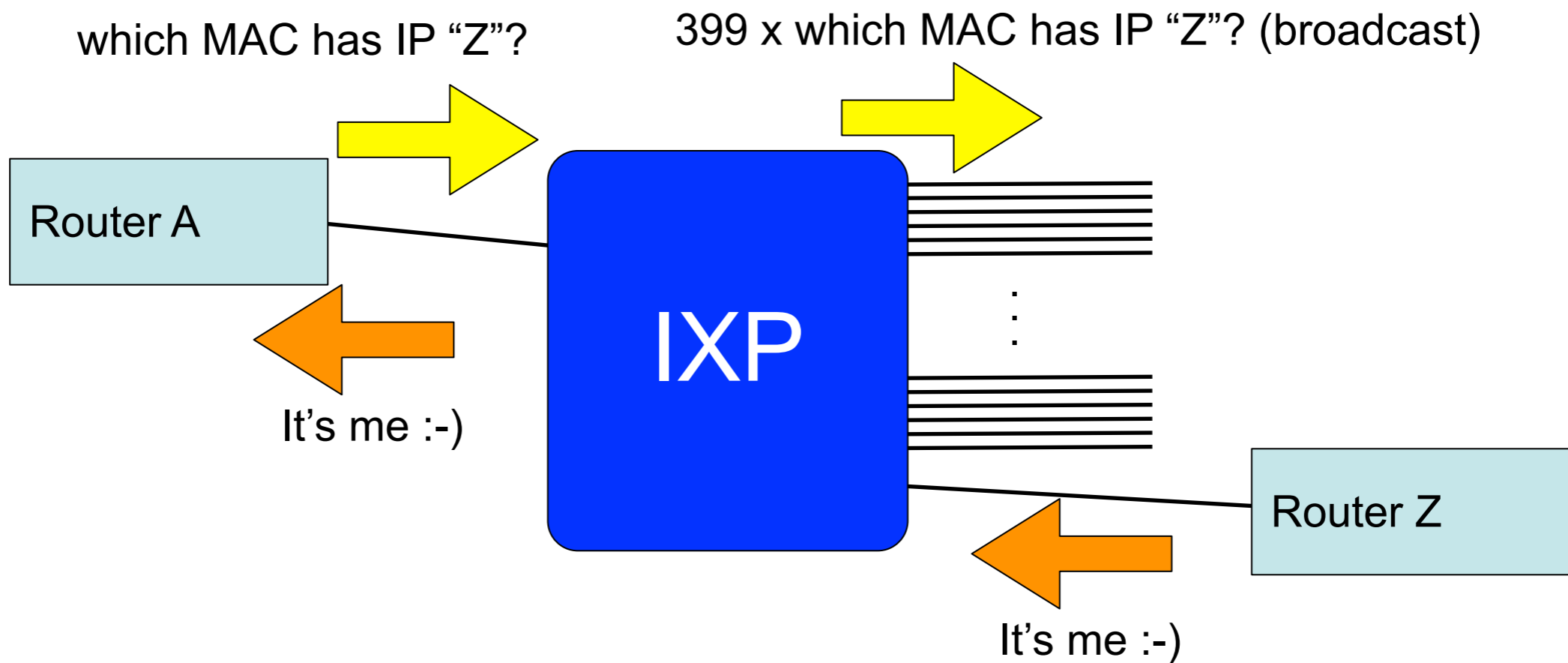


## why ARP optimisation?

- L2 broadcasts that cannot be blocked
- Let's assume
  - IXP with A.B.C.0/22
  - 400 routers connected
- IXP with “usual” database and operational security configured
  - mac address
  - IP addresses (v4+v6)
  - ports

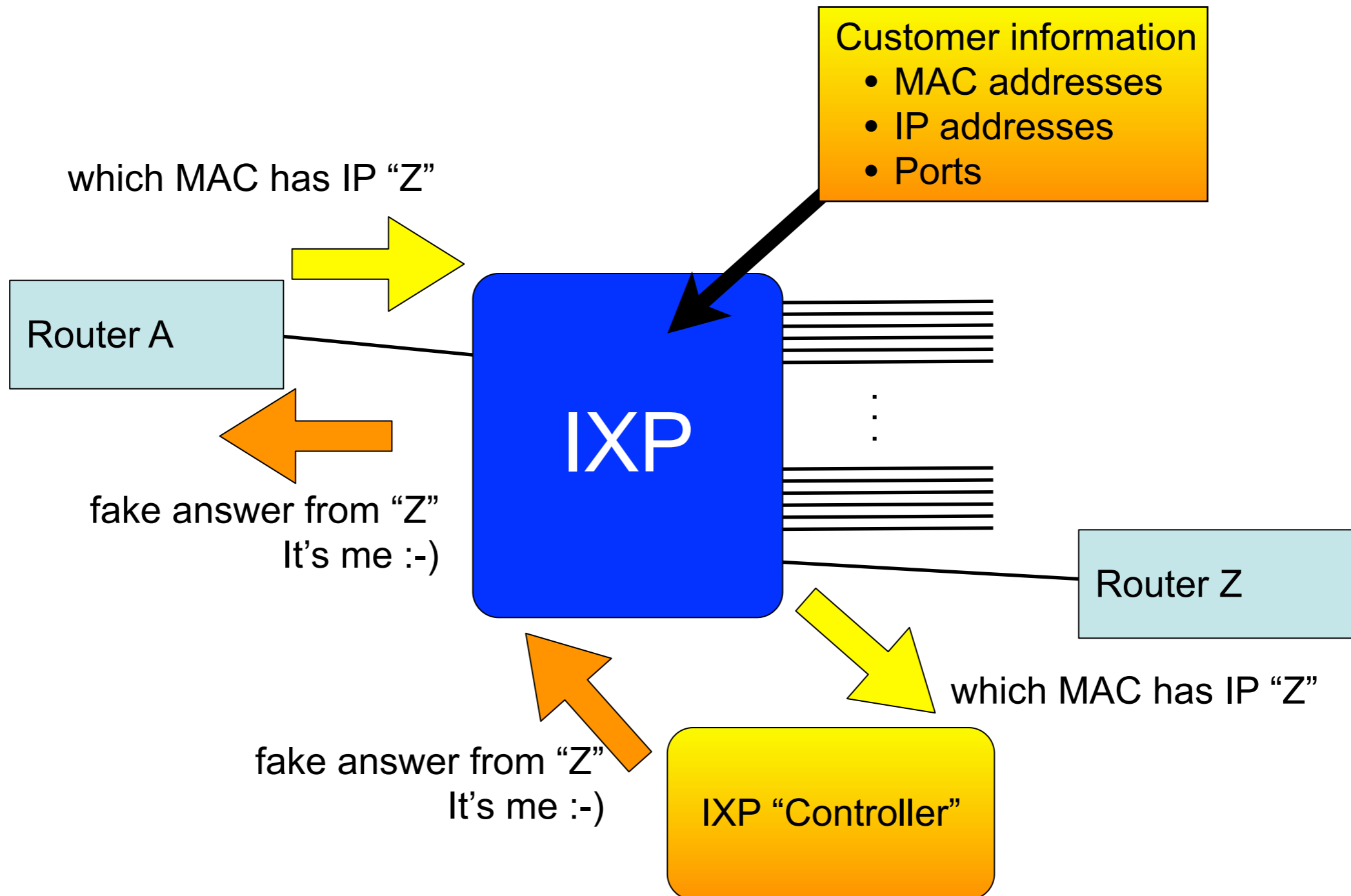


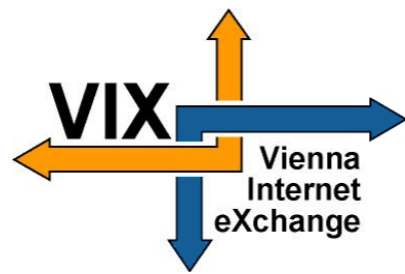
## ARP (very short)





## example of ARP - adoption





## arp optimization

- get rid of Layer 2 broadcast packets
  - answer ARP queries directly
  - drop all unwanted broadcast traffic
  - good way to avoid arp poisoning





## Can we remove sections?

- The wishlist shouldn't grow endlessly...
  - 6.5.2 Ring Restoration Protocols?
  - <your choice>?
- Please give us also feedback about what you think should be removed - and why!



## EIX wishlist

- we need your feedback!
- please tell us now or send comments to [eix-wg@ripe.net](mailto:eix-wg@ripe.net)!

“we” are:

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## VIX Update

See you next year in March at  
[www.peeringday.eu](http://www.peeringday.eu)

The screenshot shows the homepage for 'CEE Peering Day Vienna 2014'. The header includes the event title and the text 'Hosted by NIX.CZ and VIX.at'. A navigation menu contains links for 'Programme', 'Speakers', 'For visitors', 'For partners and sponsors', and 'Photos 2013'. The main visual is a photograph of the grand, ornate facade of the Vienna State Opera House, reflected in a body of water. A white information box in the lower right corner of the image displays the dates '3 - 4th March 2014', the location 'Place: Vienna, Austria', and the price 'Price: FREE'. A blue button labeled 'More information' is positioned to the right of the price.