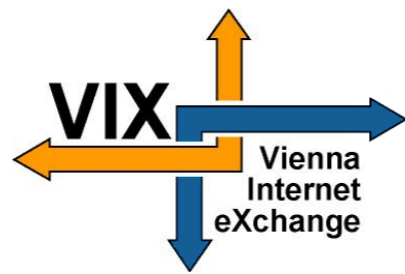




RIPE67 @ Athens

EIX wishlist update

Harald.Michl@univie.ac.at



EIX wishlist

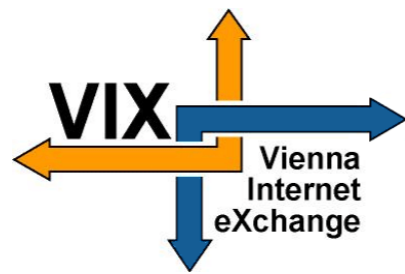
- <http://www.ripe.net/ripe/groups/wg/eix/ixp-wishlist>

A screenshot of the RIPE website's EIX Working Group page. The browser address bar shows 'www.ripe.net/ripe/groups/wg/eix'. The page has a navigation menu with 'Policy Development', 'Meetings', 'Groups', 'Mailing Lists', and 'RIPE Document Store'. Below the menu, there are links for 'Active Working Groups', 'Task Forces', and 'BoF (Birds of a Feather) Gatherings'. The main content area includes a breadcrumb trail: 'You are here: Home > RIPE Community > Groups > Active Working Groups > EIX Working Group'. The title is 'EIX Working Group' with a subtitle '— EIX, RIPE WORKING GROUP'. A paragraph describes the group's purpose: '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.' Below this is an email address 'eix-wg@ripe.net' and a 'Subscribe to the Mailing List' button. A 'Navigation' sidebar on the right lists 'EIX Working Group', 'Mailing List Archives', 'Minutes', 'IXP \"Wishlist\"' (circled in red), and 'IXP Switching Wishlist (Obsolete)'. At the bottom, there is a 'Mailing Lists' section with a 'Subscribe' button.



EIX wishlist

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



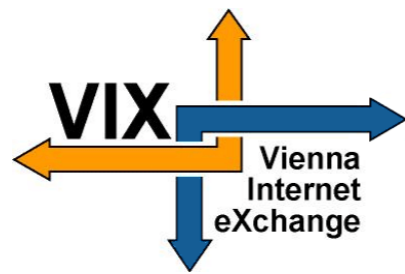
wishlist updates

- 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?

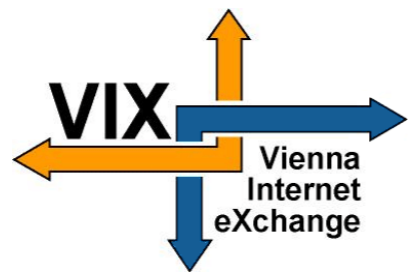
- 6.3 ARP / ND optimisation

- 7.1 move VPLS up in structure

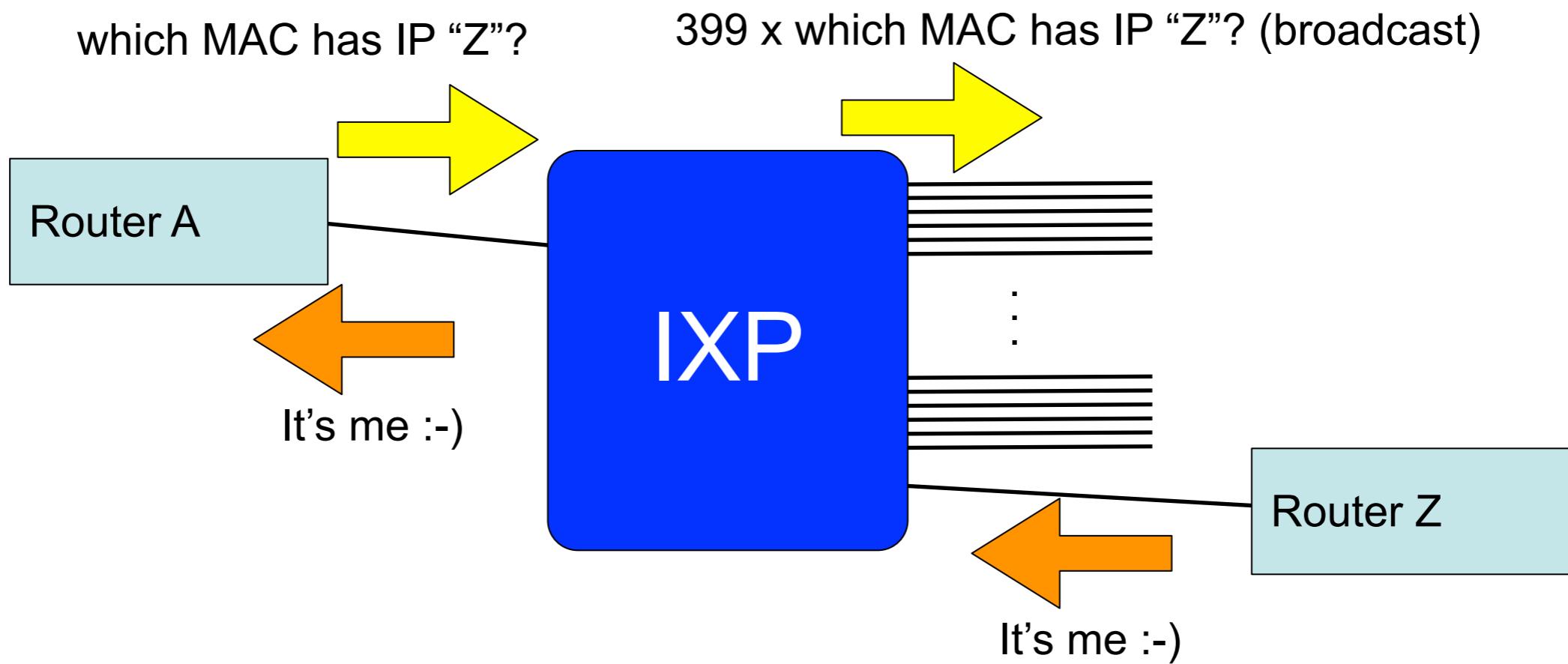


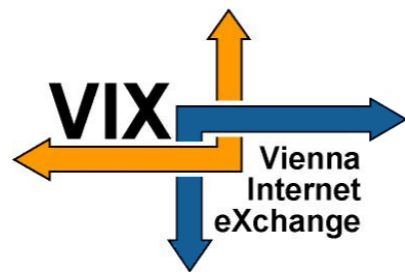
why ARP optimisation?

- 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

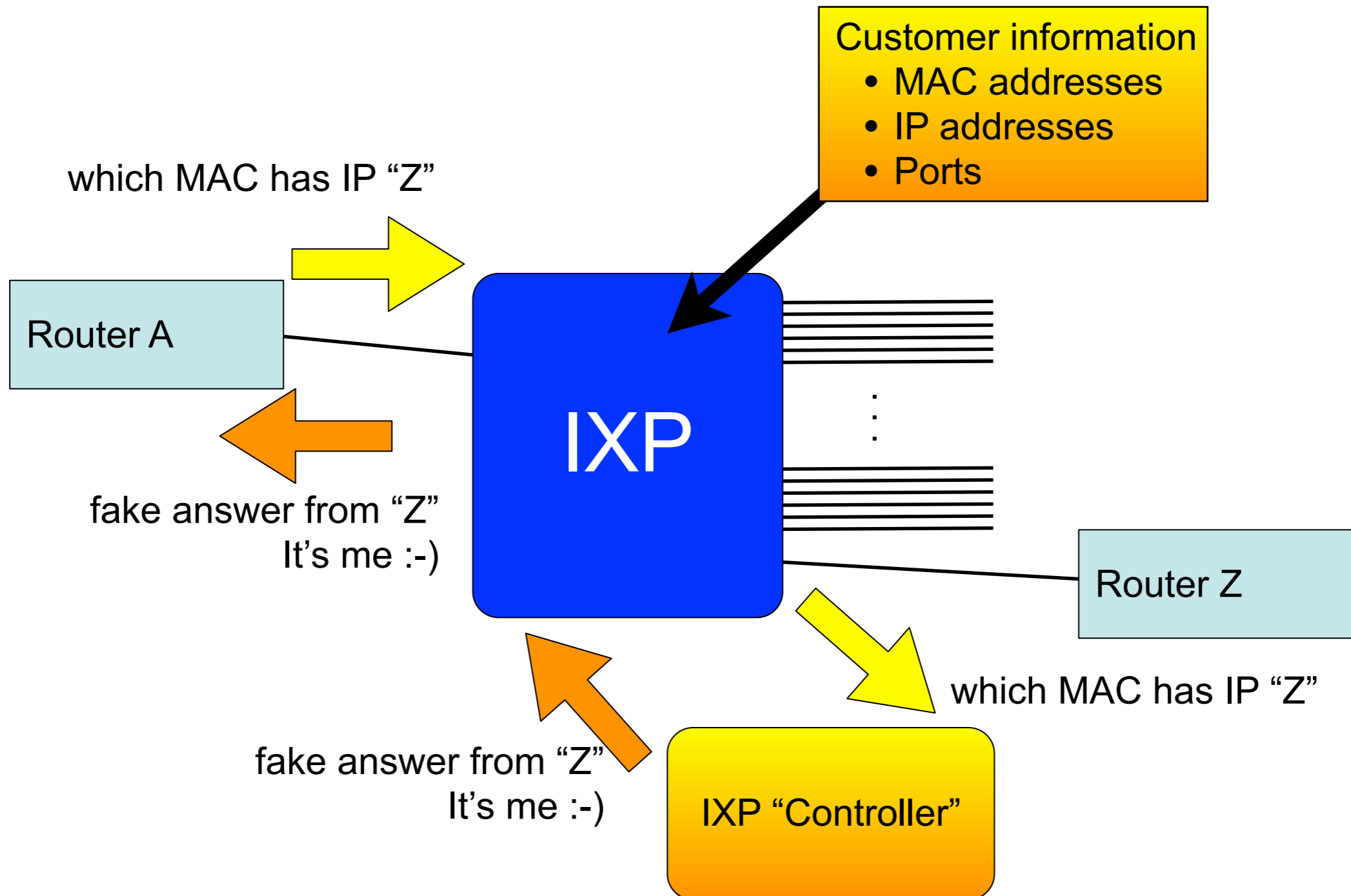


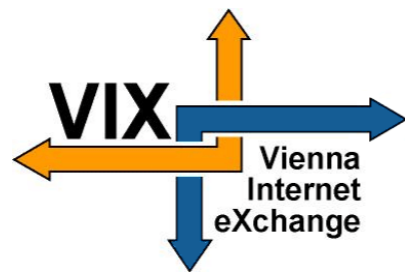
ARP (very short)





example of ARP - adoption





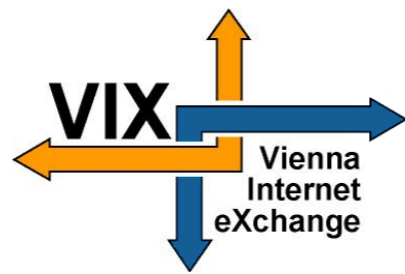
arp optimization

- 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!

“we” are:

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Martin Pels	<u>martin.pels@ams-ix.net</u>
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VIX Update

See you next year in March at
www.peeringday.eu

A screenshot of the website for CEE Peering Day Vienna 2014. The page has a light blue header with the event title 'CEE Peering Day Vienna 2014' on the left and 'Hosted by NIX.CZ and VIX.at' on the right. Below the header is a navigation bar with a home icon and links for 'Programme', 'Speakers', 'For visitors', 'For partners and sponsors', and 'Photos 2013'. The main content area features a large photograph of the Vienna State Opera House at sunset, reflected in a pond. Overlaid on the bottom right of the photo is a white box containing 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.