

# Operations Update



*i n t e r n e t n e u t r a l e x c h a n g e*

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December 13<sup>th</sup> 2012

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## Operations Summary – Statistics

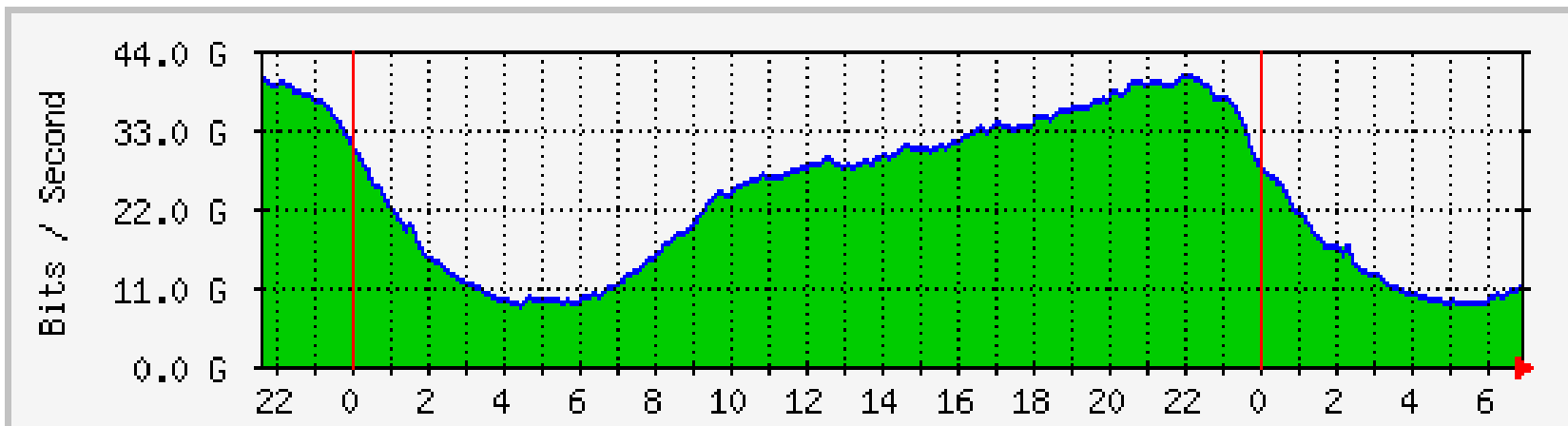
*i n e x*  
*i n t e r n e t n e u t r a l e x c h a n g e*

- 59 non-INEX IPv4 / 38 (-10) IPv6 connections to route collector
- 49 (-8) IPv4 / 34 (-9) IPv6 members on route servers
- Current max: 46.496Gbps - Regular traffic >40Gbps



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# Operations Summary – Member Updates

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## ● Recent new connections:

- Redstone (TCY-CW, 2 x 100Mb)
- Colt (TCY-CW, 1Gb)



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## ● Upgraded connections:

- Aptus (TCY-KCP, to 1Gb)
- BT (TCY-CW, to 10Gb;  
TCY-KCP in progress)
- 3 Ireland (TCY-CW, to 10Gb, in progress)
- Web World (TCY-KCP, to 1Gb, in progress)

## Operations Summary – LAN 2



*i n t e r n e t n e u t r a l e x c h a n g e*

- 25 (-2) IPv4 / 20 (-12) IPv6 connections to route collector
- 23 (-11) IPv4 / 19 (-9) IPv6 members on route servers

## Operations Summary – LAN 2



*i n t e r n e t n e u t r a l e x c h a n g e*

- 25 (-2) IPv4 / 20 (-12) IPv6 connections to route collector
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- SPAM Email sent in November to eligible members
  - **Free 100Mb port on LAN2 with a 100Mb/1Gb port on LAN1**





## Operations Summary – LAN 2

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- IXP Manager tool planned to help address unpeered sessions
- SPAM Email sent in November to eligible members
  - **Free 100Mb port on LAN2 with a 100Mb/1Gb port on LAN1**

Expected connections: Aptus; Fort Technologies  
Strencom; BBnet

# IXP Manager - Updates



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- Presented an update to EURO-IX in November



## IXP Manager - Updates

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- Active interest from a number of IXPs:
  - LONAP
  - LINX
  - GRNET (Greek Research & Technology Network)
  - WAIA (Western Australia Internet Association)



## IXP Manager - Updates

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- Presented an update to EURO-IX in November
- Active interest from a number of IXPs:
  - LONAP
  - LINX
  - GRNET (Greek Research & Technology Network)
  - WAIA (Western Australia Internet Association)
- As well as queries from:
  - Kenya Internet Exchange Point
  - Slovenian Internet Exchange Point



## IXP Manager - Updates

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- V3 Released 2012-12-12
- Primarily Backend Changes
  - Code refactoring
  - De-"INEX-ifying"
  - Migration to Doctrine2
  - Security Audit
  - Better library consistency and APIs
- Essentially "Better Open Sourcing"

# IXP Manager - Plans for 2012



i n t e r n e t n e u t r a l e x c h a n g e

- Integrate billing information
- Build in a provisioning system
  - Request forms
  - Process management
- sFlow data for member to member traffic
- Improve My Peering Manager
- Better 'open sourcing'

# IXP Manager - Plans for 2012



i n e x  
i n t e r n e t n e u t r a l e x c h a n g e

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# IXP Manager - Plans for 2012



i n t e r n e t n e u t r a l e x c h a n g e

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- Build in a provisioning system
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- Improve My Peering Manager
- Better 'open sourcing'
- Complete UI Revamp
- Peering Matrices Revamp
- Weathermaps
- Mailing List Management
- Backend Revamp
- Installation Documentation



## RIPE Update

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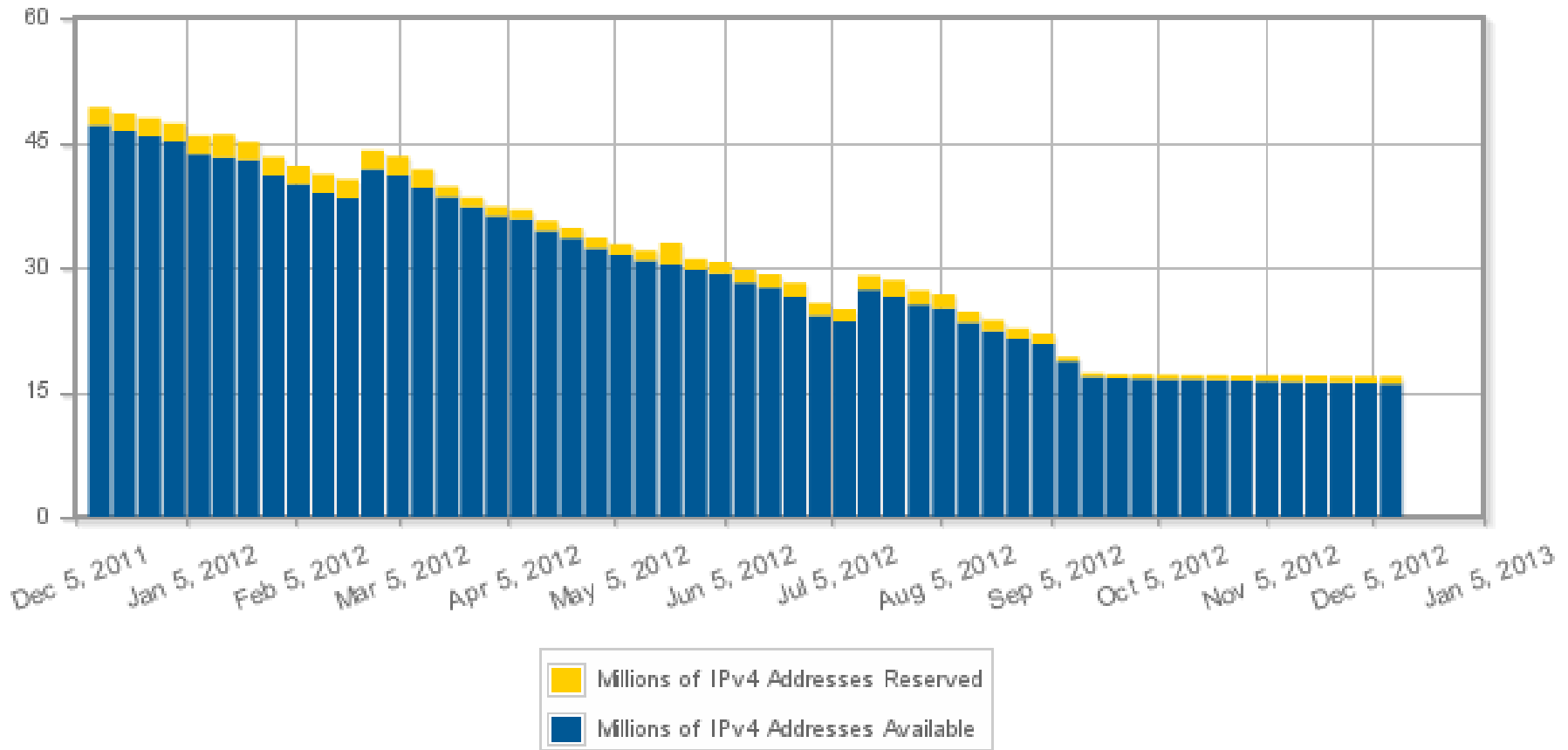
- Last /8 policy came into effect 14 Sept 2012
  - LIRs may receive one allocation **only** of exactly /22.
  - LIRs must already have a IPv6 allocation
  - Returned IPv4 space falls under same policy
- /16 set aside for IXPs
- /16 set aside for “unforeseen circumstances”



# RIPE Update

i n t e r n e t n e u t r a l e x c h a n g e

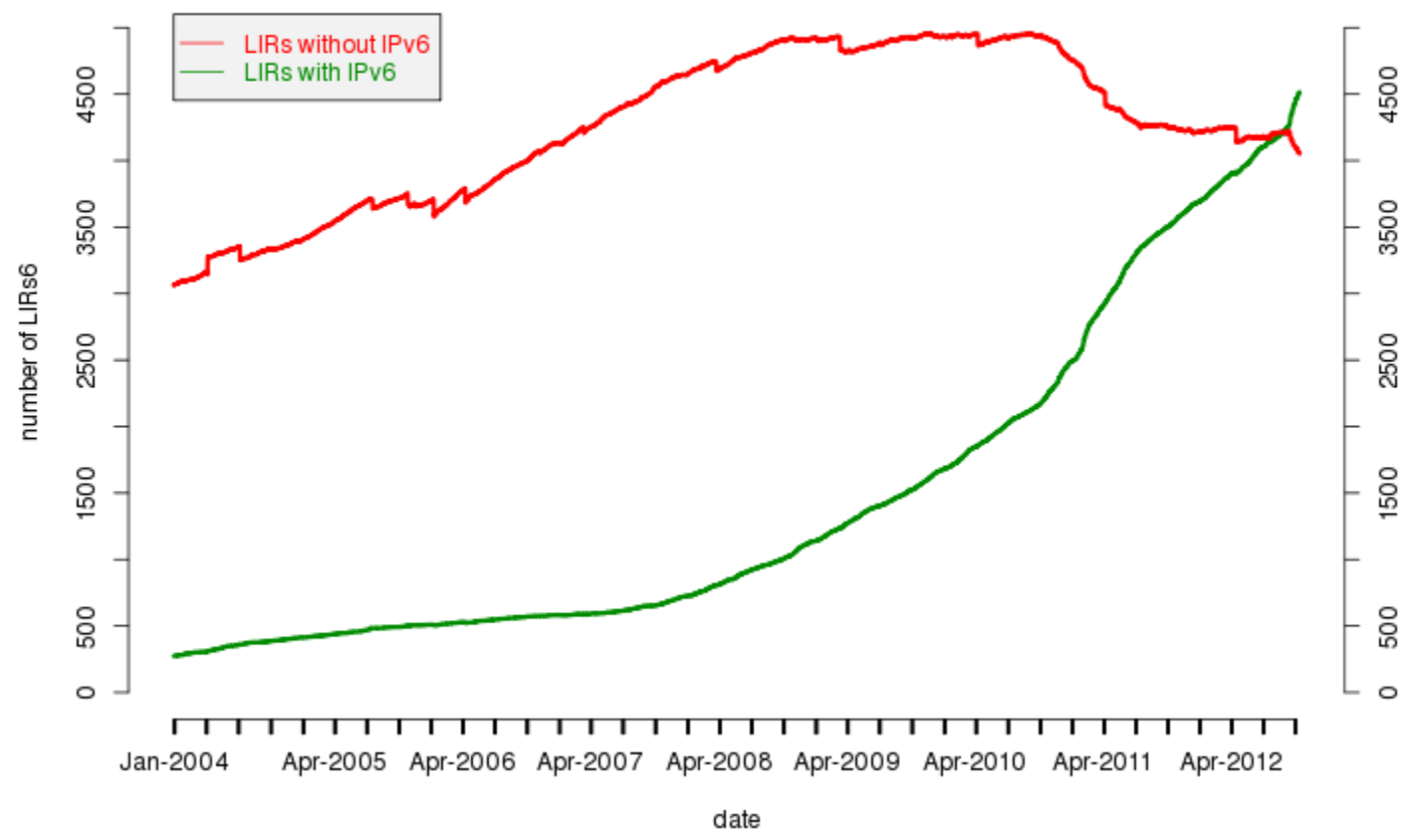
RIPE NCC IPv4 Pool — Last 12 Months





# RIPE Update

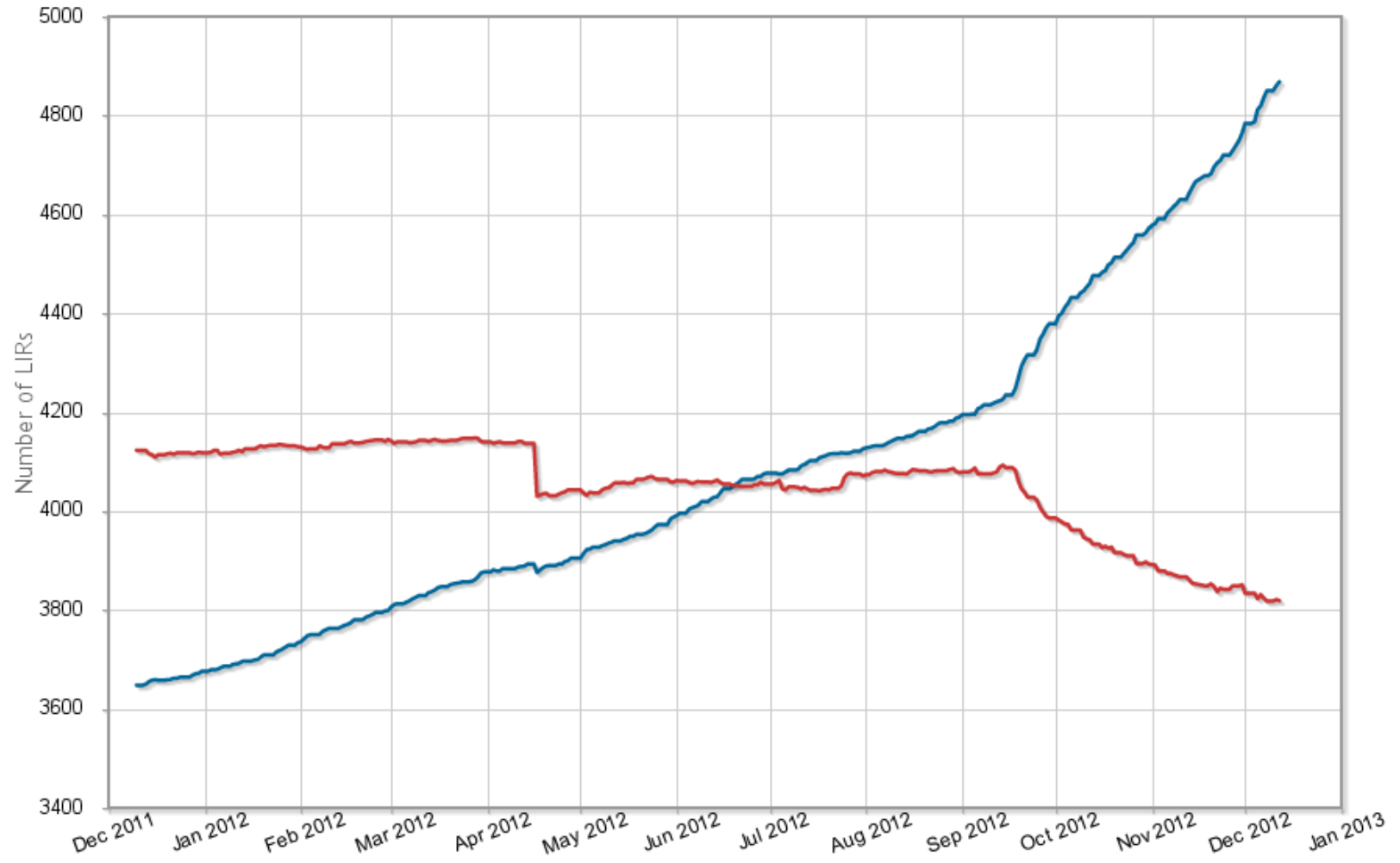
IPv6 adoption by RIPE NCC membership - 2012-10-16





# RIPE Update

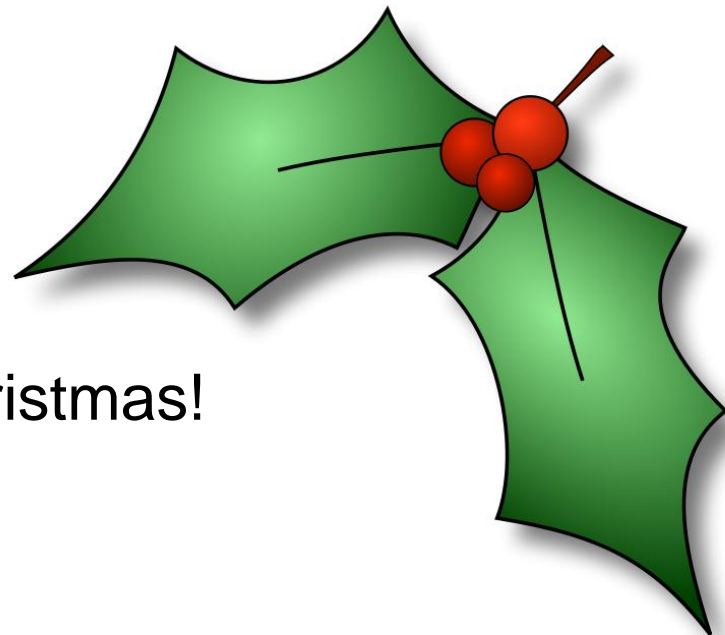
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i n t e r n e t n e u t r a l e x c h a n g e



# Operations Summary



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Merry Christmas!

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