# **Operations Update**



Barry O'Donovan March 14<sup>th</sup> 2013

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#### **Operations Summary – Member Updates**

## New Connections:

- Netflix (AS2906, TCY-KCP, 2 x 10Gb)
- Airspeed (AS29644, TCY-KCP, LAN2, 1Gb)
- Fort Tech. (AS50088, TCY-CW, LAN2, 100Mb)
- CableComm (AS44384, TCY-CW, 1 x 1Gb)
- Magrathea (AS31084, TCY-KCP, LAN2, 100Mb)

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# Upgraded / Changed Connections:

- Airspeed (TCY-KCP, LAN1 to 1Gb)
- Web World (TCY-KCP, LAN1 to 1Gb)
- Airwire (LAN1 KCP -> CW, to 1Gb)

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- Airspeed (TCY-KCP, LAN1 to 1Gb)
- Web World (TCY-KCP, LAN1 to 1Gb)
- Airwire (LAN1 KCP -> CW, to 1Gb)
- Amazon (LAN1 to 2 x 10Gb)
- Atlas Comms (LAN1 -> 1Gb)



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### **IXP Manager - Updates**



- V3 Released 2012-12-12
  - Live at INEX February 13<sup>th</sup>
- Great feedback from EURO-IX in Nov 2012
  - One other IXP going to contribute
  - GRNET opening pull requests
- P2P backend rewrite live b/e March
- Private VLAN Support

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- Visibility into RS handling of your prefixes
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- Released Feb 22<sup>nd</sup>
- Visibility into RS handling of your prefixes
- Important due to the popularity of route servers
- Displays routes:
  - Advertised & Accepted
  - Advertised but not Accepted
  - Not Advertised but Acceptable

- Requirements for Advertised & Accepted
  - Origin ASN in your as-set: record
  - route: / route6: object with the origin ASN listed as the origin: attribute

- as-set: objects allow you to group ASNs
- No as-set: => single origin ASN



No as-set: => single origin ASN

as-set: AS-DIGIWEB

descr: Digiweb Ltd. AS

members: AS31122

members: AS28867

•••

members: AS-SMART

tech-c: DGWB1-RIPE

admin-c: DGWB1-RIPE



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origin AS31122

Prefix	Protocol	First Seen	Origin AS	<b>A</b>
83.147.128.0/18	IPv4	2012-05-28 01:11:33	31122	



route: / route6: objects list the origin ASN:

route6: 2001:1bb8::/32

descr: Smart Telecom Holdings

origin: AS31458

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AS-DIGIWEB -> AS-SMART -> AS31458



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  - A number of members have large counts for Not Advertised but Acceptable
  - Full list available via Route Server Prefix Analysis Tool
  - In many cases, de-aggregated subnets with route(6): objects
  - May cause you to receive traffic over transit
    - Be careful here, BGP will route via smallest matching route
    - If announcing de-agregated routes to transit for policy routing and not to INEX peers, your traffic will go via transit

#### RIPE 66 and More



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- Typically expire after 12 months, but...
- Call for Papers
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- UKNOF25 April 18th, London



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