
IPV6 and the NETWORX Carriers

– IPv6 status and plans

Hurricane Electric

IPv6 Native Backbone – Massive Peering!

VA Interagency IPv6 Meeting

Crystal City, VA – 3rd February 2011

Martin J. Levy, Director IPv6 Strategy
Hurricane Electric

Agenda

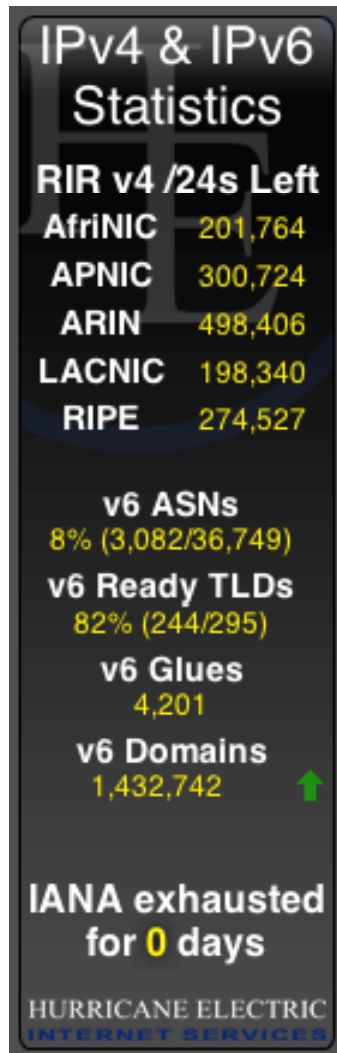
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- The state of the IPv6 global backbones
- Status & plans for the five NETWORX carriers
 - AT&T
 - Level 3
 - Qwest
 - Sprint
 - Verizon
- At 9:30am EST – A break for the NRO/ICANN webcast
 - Watch the final five /8's be allocated
- Interactive Q&A session

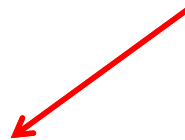


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Just a reminder it's February 3rd 2011 ...

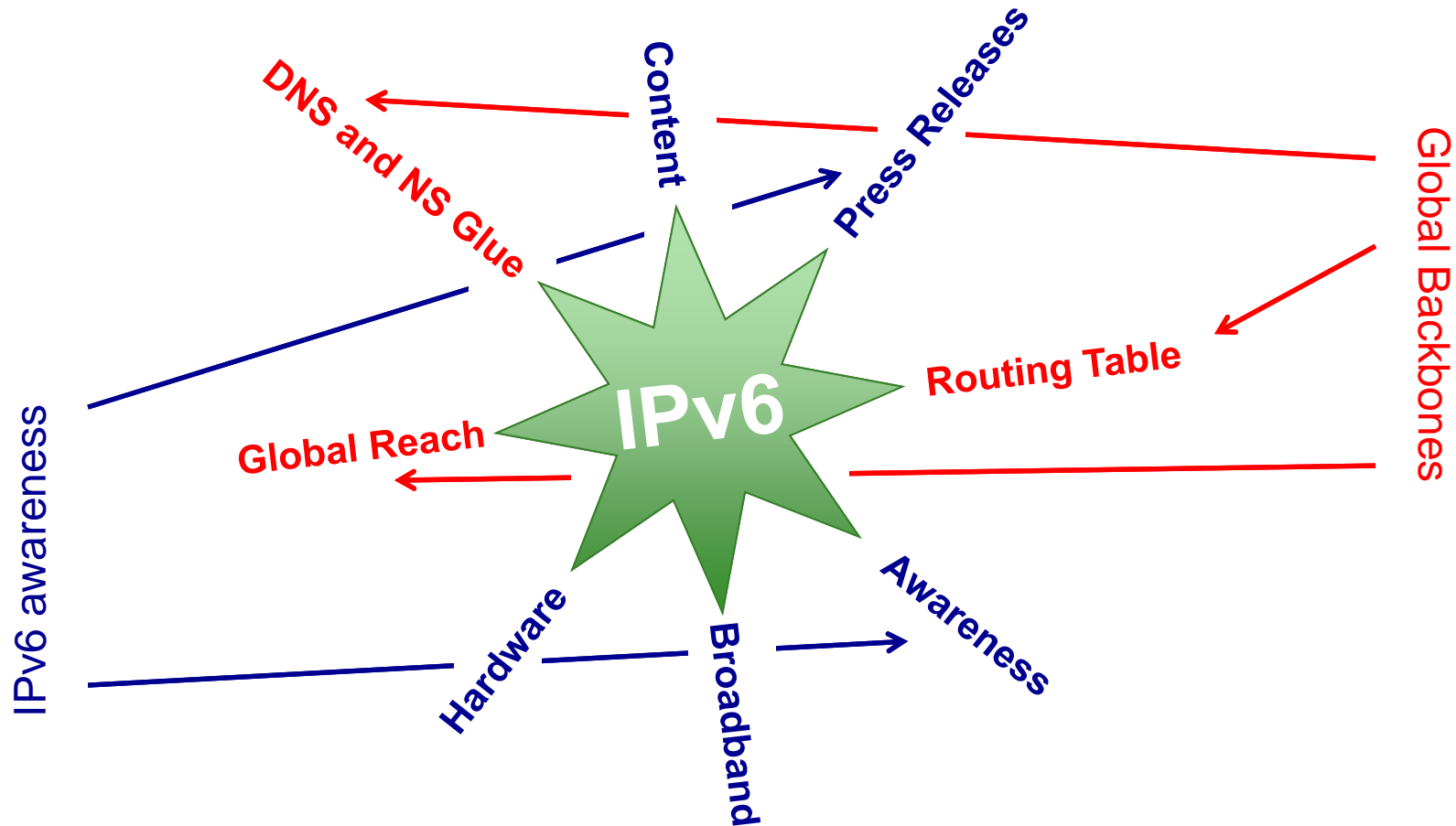


Yes ... It's zero today



IPv6 and the global backbone story

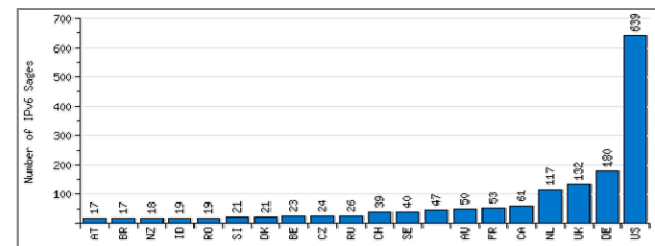
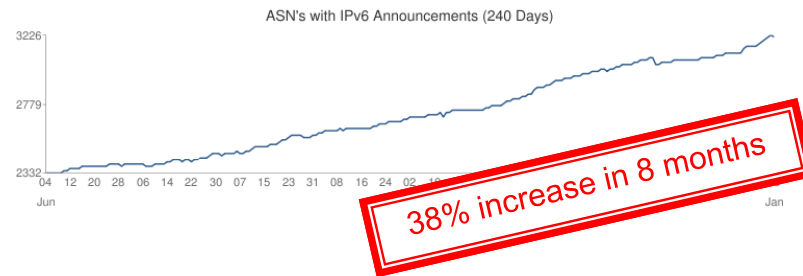
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Some of the key IPv6 global metrics

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- IPv6 global routing table
 - 2010-2011 has seen solid growth
 - Increase to 8.4% of all ASNs
- DNS glue records
 - Roots and cctld's doing well (245 out of 295)
 - Operators improving v6 performance
- Country code count
 - 123 countries and counting!
 - (Up from 91 in Jan 2010)
- Awareness and Training
 - Hurricane Electric IPv6 Certification up!



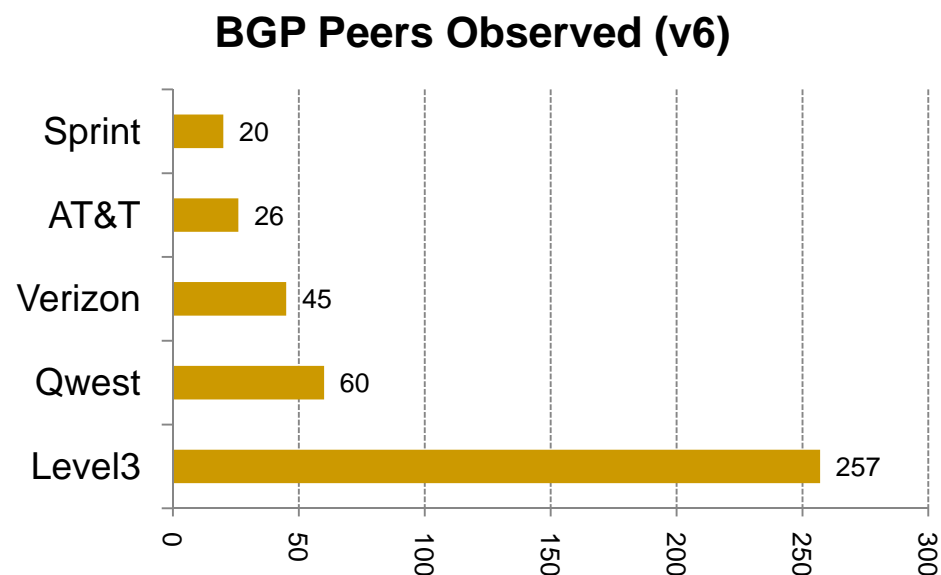
Measuring NETWORKX and IPv6

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- IPv6 routing as a measurement?
 - IPv6 adjacencies provide a measure of interconnectedness
 - IPv6 adjacency is +1 for every customer or peer

- IPv6 bandwidth?
 - Harder to measure
 - Growing; but still small

- IPv6 press mentions?
 - Mainly related to OMB
 - Not really a valid measure



Presentation and Q&A

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- The NETWORKX participants
 - AT&T
 - Level3
 - Qwest
 - Sprint
 - Verizon





Contact:

Martin J. Levy
Director, IPv6 Strategy
Hurricane Electric
760 Mission Court
Fremont, CA 94539, USA
<http://he.net/>

martin at he dot net
+1 (510) 580 4167