

RIPE



IPv6 Highlights

Marco Hogewoning
IPv6 Working Group Co-Chair



IPv6 Working Group

- Outreach
- Education
- Sharing deployment experiences
- Discussing and fixing operational issues

- Mailing list: ipv6-wg@ripe.net

IPv6 CPE Survey

- Evolved from a working group presentation at RIPE 60 in Prague
- Found a home on RIPE Labs
- Trying to collect operational data on which home network devices support IPv6 and how good they are

IPv6 CPE Survey (2)

- Originally reported as a “matrix” but this became hard to maintain and to be objective
- New version is done as a real survey
- Still discussing on the best way to present the collected data

IPv6 CPE Survey (3)

- Initial results:
 - Reports are in for over 20 different vendors
 - Cisco still has the largest market share
 - Most users still depend on 6in4 tunnels
 - The majority have bought their own CPE

IPv6 CPE Survey (3)

- Initial results are now published on RIPE Labs:

<https://labs.ripe.net/Members/marco/ipv6-cpe-survey-results-may-2011>

- Please participate via:

<https://labs.ripe.net/Members/marco/ipv6-cpe-survey-please-participate>



Ripe-501: Requirements For IPv6 in ICT

- Set of requirements on what to ask for when specifying ICT equipment must support IPv6
- Original document was made by the Go6 Institute in Slovenia for the Slovenian Government
- Translated into English and published as a RIPE Document late 2010
- Can be used as a reference in tenders

Ripe-501: Requirements For IPv6 in ICT (2)

- The Document was well received by the community
- Several governments are looking into adopting this document or translations of it for their own use
- Main benefits are it is open and supported by the community

Ripe-501: Requirements For IPv6 in ICT (3)

- Currently the community is working on the next version of this document
- Mostly text improvements and better explanation of what it all means
- Some new items will be introduced like 3Gpp references for mobile network applications
- More to come on the IPv6 WG mailing list



Getting IPv6 resources ?

- Not in scope for the IPv6 WG
 - Belongs in Address Policy Working Group
- Policy document ripe-512 describes the exact requirements
- More on this in tomorrow's session

IPv6 Provider Aggregatable Addresses (PA)

- To qualify for an allocation
 - An organisation must be an LIR
 - Must have a plan to deploy IPv6 in two years
- Minimum allocation size is /32

- Allocation size based on customer numbers

IPv6 Provider Independent Addresses (PI)

- Slightly different from IPv4
- To qualify for PI an organisation
 - Must demonstrate it will multi home
 - Meet the contractual requirements for provider independent resources
- LIR can get PI for own organisation
 - Must demonstrate special routing requirements
- PI space does not allow to make assignments or sub-allocations

More information

- Ask the RIPE NCC service center in the hallway
 - And get your IPv6 :)
- Address Policy Working Group
 - Wednesday morning's session
 - Working group mailing list: address-policy-wg@ripe.net
- IPv6 Working Group
 - Working group mailing list: ipv6-wg@ripe.net
- <http://www.ipv6actnow.org>



Questions?

