

IPv6 Deployment Monitoring Survey 2009 Trailer

Based on responses from the
APNIC community

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Overview

- Background of IPv6 Deployment Monitoring Survey
- Findings and Analysis extract
- Future plan

First of all...

- Thank you so much for your participation in this survey during Sept 2009
 - Survey period = 15/09/2009 – 02/10/2009
 - Valid APNIC region responses = 429
 - From 37 economies in the APNIC region

What is this survey?

- RIPE NCC designed this survey in collaboration with TNO and GNKS Consult
 - Sponsored by European Commission (EC)
 - Inspired by the work conducted by ARIN and CAIDA in 2008 in the ARIN region
- APNIC joined this survey
 - Keen to identify current IPv6 deployment status through empirical data
- Survey period:
 - 15/09/2009 – 02/10/2009

Objectives of the survey

- To present the comprehensive view of present IPv6 penetration and projections of IPv6 deployment
- To share the empirical data with wider Internet multi stakeholders in the AP region
 - To help them to understand current IPv6 deployment status
 - To help them to clarify issues
 - The first step to find constructive solutions

Questions

- Questions designed for multi-stakeholders
 - Some questions are targeted to ISPs only
- Demography of respondents
- IPv6 promotion (ISPs only)
- Usage of IPv6 connectivity (ISPs only)
- IPv6 address allocations and assignments
- Assumptions vs. reality about hurdles of IPv6 implementation
- IPv6 transition techniques
- IPv6 traffics
- IPv6 deployment plan



Findings and analysis

Extract

Finding 1

- ISPs in the APNIC region:
 - Consider promoting IPv6 uptake to their customers
 - Yes 52% + Maybe 35% = 87%
 - Have or consider having an IPv6 allocation and/or assignment
 - Yes 71%
 - No 29%

Analysis 1

- Majority respondents from ISPs in the APNIC region positively consider promoting IPv6 to their customers
 - Good news!
- 71% respondents from ISPs in the APNIC region have or are considering getting IPv6 addresses
 - Good news!
 - IPv6 Kickstart policy (implemented in Feb 2010) will help such momentum

Need IPv6 addresses? IPv6 Kickstart policy

Services

- Services APNIC provides
- Apply for resources
 - Kickstart IPv6
 - Check your eligibility
 - Check your ISO 3166 code
 - Become a member

Kickstart IPv6

Are you interested in getting IPv6 addresses easily and quickly? Click here to find out how to get your IPv6 addresses

Get your IPv6 addresses easily and quickly with the IPv6 Kickstart IPv6

...an appropriately sized IPv6 address block, if you have an IPv4

...members simply have to use one click of the mouse to get these IPv6 addresses – it's that

The best part is there are no forms to fill out and no Membership fee increases at the time of delegation.

Just one click to IPv6!
Through [MyAPNIC](#), eligible Members will see the "Get your IPv6 addresses" icon on the main landing page. Click on this icon to receive IPv6.

APNIC Policies

- IPv6 Program

MyAPNIC
Access MyAPNIC now

Finding 2

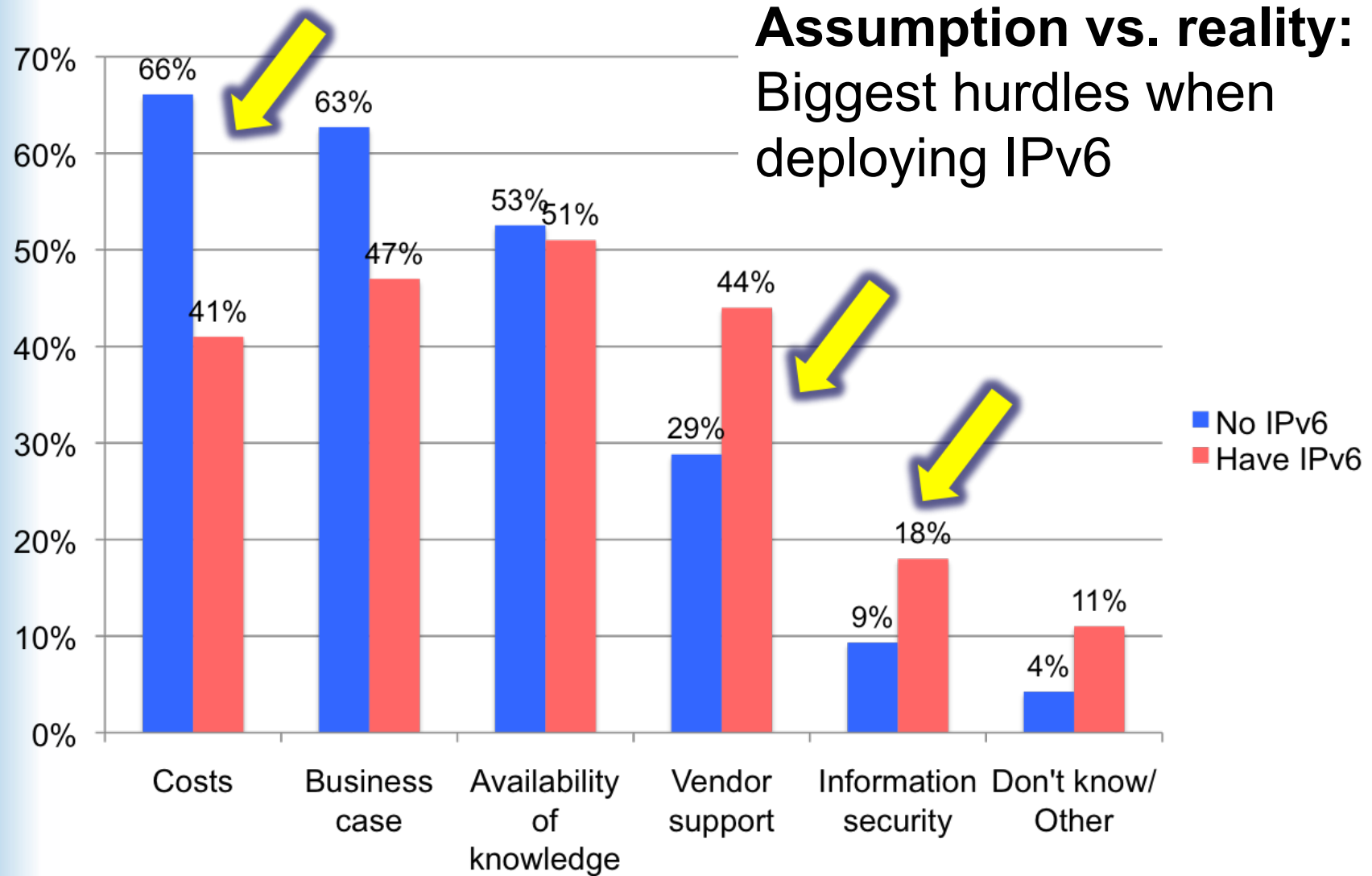
- Why don't 29% of the total respondents (429) consider having an IPv6 allocation/assignment?
 - Don't see business need = 58%
 - Communication Service Providers doesn't support IPv6 = 42%
 - ISPs doesn't support IPv6 = 19%
- 62% of the organizations already have or are considering an IPv6 allocation and/or assignment because:
 - They want to be ahead of the game

Analysis 2

- IPv6 is a business continuity issue
 - Need to reframe your thinking on “don’t see business need”
 - IPv6 is a reality
 - Don’t be left behind!
 - To ISPs: if your customers think so, you need to provide more information to educate them
- Service providers, system integrators, and hosting centers
 - Customers can choose a service provider
 - Don’t be left behind!

Finding 3

Assumption vs. reality:
Biggest hurdles when
deploying IPv6



n=118
n=311

Analysis 3

- Attention to gaps:
 - Deploying IPv6 will be costly?
 - “Cost” is relative to organisations so we need to be careful to reach a simple conclusion
 - However worth to conduct serious cost benefit analysis now
 - You may find “An attempt is sometimes easier than expected”
 - Lack of vendor support
 - Need to raise your voice to vendors now!
 - Information security
 - Need to implement IPv6 in planned manner, not like a last minute dirty job
 - “An attempt is sometimes more difficult than expected”

Future plan

- 95% indicated their willingness to respond again in 2010
 - Sometime around June
- We would like to seek your cooperation to measure IPv6 implementation in this region!
- The full version of the survey outcome
 - Will be uploaded in www.apnic.net/ipv6



Thank you!

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