

Kiwis in catch-up mode!

Presented by
Richard Wood
Policy and Communications
InternetNZ
December 2009



Vint Cerf and Murray Milner at the
NZ IPv6 Hui



Activity in New Zealand

- Private sector
- Technical education
- Steering Group
- Public email lists
- Survey
- IPv6 Hui
- Action Plan
- Task Force



Discussion Groups

sign up at www.ipv6.org.nz

- ipv6_maillist@internetcz.net.nz
over 230 emails since January
- ipv6-techsig@internetcz.net.nz
over 750 emails since January
- TechSIG's wiki.ipv6.org.nz
deployment assistance, local events,
local tech resource links

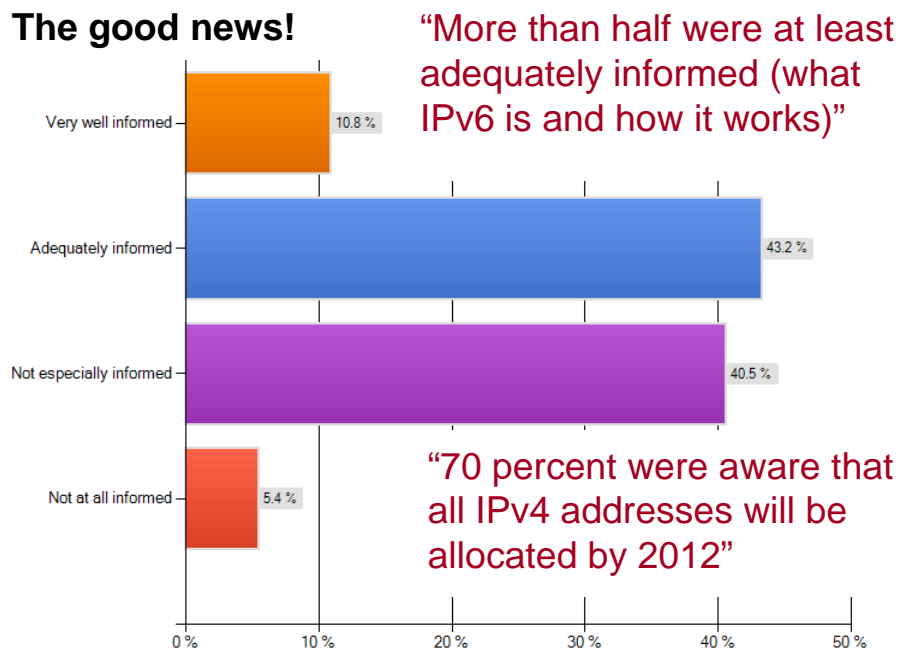


IPv6 Readiness Survey mid-2009

- 100 CIOs in NZ
- 37% response rate (i.e. 37)
- All respondents > 500 desktops
- 59.5% public, 40.5% private sector



The good news!

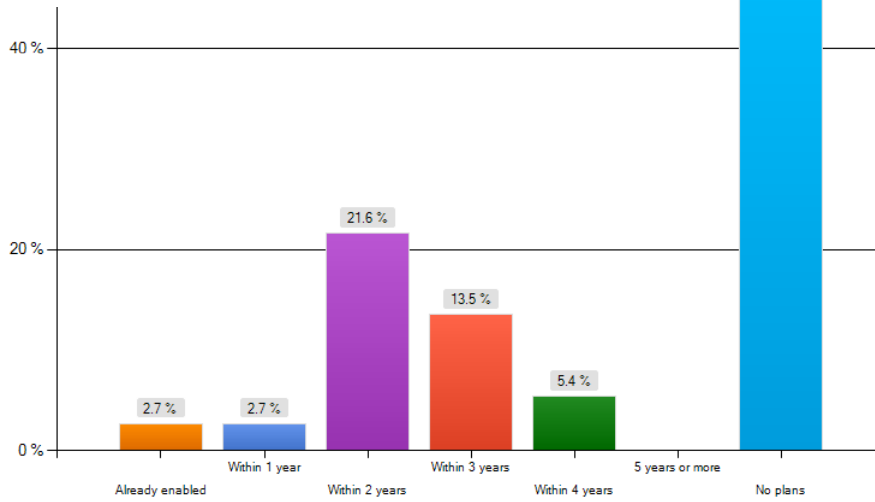


The not so good news!

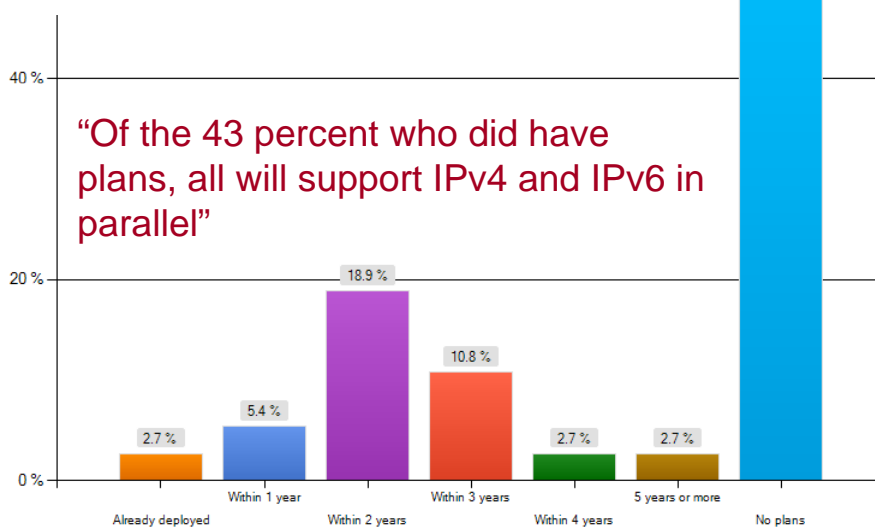
“Management were generally not aware of IPv6 as a 'Risk or Opportunity'”

- 8 % not sure
- 65% not especially aware
- 24% adequately aware
- 3% very aware

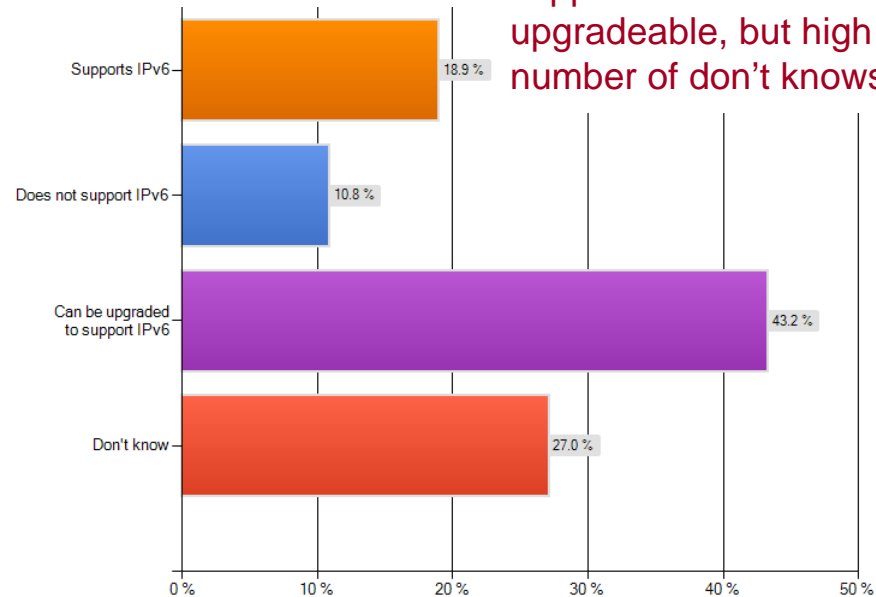
“Over half had no plans to IPv6-enable website / public Internet services, including email and DNS”



“Over half had no plans for IPv6 on internal networks”



Saving grace?



“Majority of networks supported IPv6 or were upgradeable, but high number of don't knows”

Spot the gap 1

“For most, IPv6 is not a factor regarding purchasing decisions, including RFPs and RFIs”

- 5% extremely important
- 24% very important
- 51% not especially important
- 19% not important at all

“41% say IPv6 does not feature in the organisation's future IT requirements / roadmap”

Spot the gap 2

“Plenty of IPv6 skills / IPv6 network support, either in-house and/or out, but there is a gap”

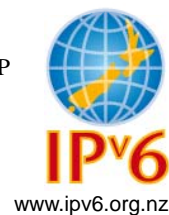
- 43% in-house support
- 49% outsourced support
- 24% no support

“84% say telecommunications service provider/s have not briefed them on their plans to support IPv6”



What would help speed up your IPv6 deployment

- cisco providing ipv6 support in its base images
- **management appreciation of the need for ipv6**
- Be informed by networks and industry, like the planned workshop,
- Risk analysis
- More money
- **We first need to formulate a strategy based on the risks and benefits of IPv6**
- Information about IPv6, especially the risks and timeframes mentioned
- **Tangible cost benefits**
- **Complete support from our network equipment suppliers for all the product families we already use.**
- We are NOT going to be upgrading to the top end product just to get the IPv6 functionality we want.
- **Mostly more awareness/knowledge.**
- Also Vendor support/promotion i.e. if their products support (we haven't heard anything from Telecom etc)
- I am unaware there is a problem for us - we think we have plenty of IP space...
- Knowledge - IPv6 looks user unfriendly (to an untrained eye)
- More need for IPv6. We have a strategy to roll-out IPv6 over the next couple of years, but this can be brought forward if the need is there.



Other comments

- **There are greater priorities within our organisation and these are likely to continue for several years to come.**
- Up until now, moving to IPv6 has not featured as a pressing need for us. Now would appear to be the time to begin formulating a strategy in regard to IPv6 deployment.
- **It isn't scary !! It is just a case of getting on with it.**
- I'm concerned there's not enough information being disseminated about IPv6, especially in the corporate world. **I also don't see a big rush of service providers looking to help businesses get ready for IPv6.** I guess the ground-swell hasn't started yet.
- the question really begs as to if it is really that necessary. Yes there is the magic date of 2012 but if you don't need any more IPv4 address space then there is no need to go to IPv6.
- **There is basically no "Killer App" that will force the capital investment needed to make it go forward.**
- It also requires ISP's to get on board and if they have no plans then there is not a lot the end user organisations can do.



www.ipv6.org.nz

New Zealand IPv6 Hui

- 3 cities 3 days – see ipv6.org.nz/hui
- Speakers included: Vint Cerf, Hiroshi Esaki, Tony Hain, Tony Hill, Kevin Karp
- Full attendance - Christchurch (30+), Auckland (90+), Wellington (100+)



www.internetnz.net.nz



www.ipv6.org.nz

NZ IPv6 Hui material includes

- Massey University Case Study
- Auckland University Case Study
- NZRS planning guide



NZ IPv6 Hui - Summary

- Raised the profile of IPv6 in NZ
- Gave Steering Group encouragement to forge ahead
- Brought challenges to the fore in terms of “chicken and egg”
- Identified need for more training and education
- IPv6 must be in IT plans and RFPs



NZ Statistics Department ISP Survey

- 66 ISPs responded
- First time IPv6 question included
- ¼ of ISPs had installed IPv6
- More than 1/3 of ISPs had no plans to install IPv6
- Barriers to installing: lack of resources (42%), lack of user demand (37%), other business priorities (37%)



Formation of Task Force

- November 2009 – Steering Group superceded by NZ IPv6 Task Force
- Same people – convened by Dr Murray Milner and supported by InternetNZ – aligned with global IPv6 Forum
- Priorities: events, technical training, education, devolution
- NZ IPv6 Trust



Creation of Action Plan

- Action Plan model – keeping it simple:
 - Administration
 - Relationships
 - Communications
 - Events/Training



Devolution of Action Plan

- Industry segmentation
 - ISPs/Telcos
 - ICT providers and integrators
 - Hosting and content
 - Government
 - Defence
 - Health
 - University and Polytechnic
 - Private training
 - Business
 - Banking



Kiwis in catch-up mode!

Presented by
Richard Wood
Policy and Communications
InternetNZ
December 2009

richard@internetz.net.nz

