

## Vint Cerf warns of IPv4 black markets

'Father of the Internet' Vint Cerf declared at a series of IPv6 Hui in August that the exhaustion of the available pool of IPv4 address "is now a fact of life". He predicted that the run-out will occur sometime in 2011.

The IPv4 address space is becoming so depleted, said Cerf, that IPv4 auctions, black markets, grey markets, and IPv4 hijacking are already starting to happen.

Although the IPv6 protocol design was done in 1996, there has been limited uptake to-date in New Zealand. Cerf also noted that people are "running out of excuses" not to implement it.

"Do it now," he urged the attendees. "It is a bad idea to ask your engineers to implement IPv6 at the last minute."

"As smart grids unfold, more and more devices will need IP addresses. It may be the edge devices that will drive IPv6 adoption but the core networks also need to be ready to meet that demand."

This was just one of the messages delivered to over 200 corporate and industry attendees who packed out the IPv6 Hui venues in Christchurch, Auckland and Wellington to hear about the pressing need for development of IPv6 roadmaps.

US-based Tony Hain from Cisco Systems strongly encouraged the Hui attendees to be "ready now for IPv6," urging them to think of IPv6 as a life cycle event. "Your network has been evolving over time. This is just another evolution. The point is not to instill panic but to instill urgency," he said.

Other key speakers at the IPv6 Hui included Tokyo University's Hiroshi Esaki, and Tony Hill and Kevin Karp from IPv6Now.

Brent Chalmers from the Department of Internal Affairs updated the Hui on New Zealand Government IPv6 activity. Although it is "early days" for IPv6 in the public sector, the DIA is planning to dual stack IPv6, and use itself as a case study for other public sector organisations to learn from.

Attendees also learned from case studies of adoption experience from Massey University, Auckland University, StudentNet, FX Networks and New Zealand Registry Services.

Video and audio recordings of the Wellington Hui are available at [www.r2.co.nz/20090821](http://www.r2.co.nz/20090821). Copies of presentations can be viewed in PDF format at [www.ipv6.org.nz](http://www.ipv6.org.nz).

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*'Father of the Internet' Vint Cerf*



*IPv6 Hui attendees in Wellington*

# IPv6 Readiness Survey

As part of the IPv6 Hui held in August, results from the first survey of New Zealand IPv6 Readiness were publicly released.

The IPv6 Readiness Survey was conducted in July/August by the New Zealand IPv6 Steering Group, with a view to establishing a baseline of IPv6 awareness among corporate CIOs.

An online link to the survey was emailed to the top 100 CIO list and followed up with email and phone calls. The response rate was 37 percent.

54 percent of respondents said they are at least adequately informed about IPv6, and 70 percent were aware that all IPv4 addresses will be allocated by 2012. However, only 27 percent of management were aware of IPv6 as a 'risk or opportunity'.

The survey found that 54 percent of organisations didn't yet have plans to IPv6-enable their customer facing services. For those that did, the transition will mostly begin in two years or later.

The survey also suggested that the majority of networks support IPv6 or are upgradeable. But, almost 30 percent didn't know whether or not their kit could support IPv6.

Only 29 percent of respondents regarded IPv6 as an important factor in RFIs and RFPs, and 41 percent didn't have it in their planning or roadmaps.

On the other hand, the survey revealed some good news in terms of the support available internally and from contractors. 43 percent have access to in-house support and 49 percent to outsourced.

Finally, the survey suggested that telcos are a little reticent, with 84 percent of respondents saying they hadn't heard from their telcos on their plans to support IPv6.

## InternetNZ forms filtering working group

In August the Department of Internal Affairs launched public consultation on its "Digital Child Exploitation Filtering System" Code of Conduct.

The idea of filtering the Internet attracted robust comment among InternetNZ members, and a working group has now been formed to technically analyse the filtering system and consider its wider policy implications.

The working group is doing detailed work on an InternetNZ position that will be brought back to the PAG mailing list for discussion.

## InternetNZ calls for “notice-and-notice” system to replace 92A

InternetNZ has released its submission to the Ministry of Economic Development's review of Section 92A of the Copyright Act, proposing a notice-and-notice system in New Zealand as a preferred response to the issue of illicit peer-to-peer file sharing.

"Enforcement of copyright needs to be a balance between users' rights and the rights of content creators. A notice-and-notice system provides the right balance for New Zealand," says InternetNZ spokesperson Jordan Carter.

"Notices have been shown to reduce infringement. A system that sends notices to alleged infringers is a low cost, clean response to illicit peer-to-peer file sharing. It is consistent with the first part of the Government's proposal."

InternetNZ welcomes the Government's clearer and fairer approach to the issue, compared with the law that is being replaced.

The submission details the principles InternetNZ thinks should guide policy in this area, and proposes a notice-and-notice system based on recent developments in the UK.

It sets out why the Government's proposal has costs that will outweigh any possible benefits.

"The Government's proposal would see the creation of an expensive and bureaucratic system involving the Copyright Tribunal that would add costs for government, ISPs and rights holders," says Carter.

"A notice system should instead be implemented and its results assessed. We anticipate that it will be cost-effective and obviate the need for costly and complex procedures that will not deliver corresponding benefits."

"InternetNZ reiterates in its submission its absolute opposition to termination being a remedy for copyright infringement by New Zealanders."

"Termination is an inappropriate and disproportionate remedy that will not work. Whatever approach the government takes to replacing section 92A, termination must be off the table," says Carter.

InternetNZ's copyright submission can be viewed at: <http://www.internetnz.net.nz/issues/submissions>.

One hundred and thirteen submissions were received in response to the Section 92A review. A summary can be read on the MED's website.

# David Wright appointed to NZRS Board

InternetNZ is pleased to announce the appointment of David Wright to the .nz Registry Services Board.

.nz Registry Services (NZRS) is the InternetNZ subsidiary that manages the registration of .nz domain names, and operates the .nz domain name system.

Wright will serve as a Non-Executive Director on the five-person board, alongside Chair Donna Hiser, David Farrar, Doug Mercer and Michael Wallmannsberger. He has been appointed for a three-year term.

Wright is a professional company director, currently serving on the boards of Tonga Power Limited, the New Zealand Blood Service and employment services firm Workbridge.

He is the former Chief Executive Officer of farmer-led organisation Dairy Insight Inc and was previously Chief Executive and Director of the Land Transport Safety Authority, a role which included oversight of New Zealand's motor vehicle and driver licence registries.

InternetNZ President Frank March is pleased to welcome David to the NZRS Board of Directors.

"With his vast experience and mix of business planning, risk management and governance skills David is an important addition and we look forward to working with him."

## Internet Industry Awards winners announced

The 2009 New Zealand Internet Industry Awards were held in August at Parliament Buildings, Wellington.

Hosted by the Liz Dengate Thrush Foundation, the Internet Industry Awards acknowledge, reward and encourage Internet entrepreneurship, business applications, social benefits and educational programs to New Zealand life involving the Internet. The winners are:

### ***The Societal Impact Award:***

TheLowDown.co.nz



### ***Best Education Product or Service Award on the Internet:***

Digital New Zealand.

### ***Best Business Application on the Internet:***

Xero Limited.

### ***Internet Entrepreneur of the Year:***

No finalists or winner announced.

More information at: [www.lidtf.org.nz/events/index.html](http://www.lidtf.org.nz/events/index.html)

## events

### **Pacinet/Picisoc**

7 - 10 September, Papua New Guinea  
[picisoc.org](http://picisoc.org)

### **APEC Tel**

24 - 30 September, Mexico  
[apec.org](http://apec.org)

### **CENTR**

30 September - 1 October, Lithuania  
[centr.org](http://centr.org)

### **InternetNZ Council Meeting**

16 October, Wellington  
[internetnz.net.nz](http://internetnz.net.nz)

### **ICANN**

25 - 30 October, Seoul  
[icann.org](http://icann.org)

### **ECTA**

November, Brussels  
[ectaportal.com](http://ectaportal.com)

### **KANZ Broadband Summit**

4 - 5 November, Auckland  
[kanz2009.co.nz](http://kanz2009.co.nz)

### **IGF 2009**

15 - 18 November, Egypt  
[intgovforum.org](http://intgovforum.org)

### **PacNOG**

15 - 21 November, Nadi  
[pacnog.org](http://pacnog.org)

### **NetSafe Members Meeting**

25 November, Auckland  
[netsafe.org.nz](http://netsafe.org.nz)

### **Australian IPv6 Summit**

7 - 9 December, Melbourne  
[ipv6.org.au](http://ipv6.org.au)

### **LCA2010 (Linux.conf.au)**

18 - 23 January, Wellington  
[lca2010.org.nz](http://lca2010.org.nz)

### **APTL**

February 2010, Kuala Lumpur  
[aptld.org](http://aptld.org)

# from the DNC

## .nz Search Functionality

The DNC is seeking comments on a proposal to expand the .nz search functionality, to include a search by Registrant and also a wildcard-type search of a domain name.

Submissions can be sent by email to [policies@dnc.org.nz](mailto:policies@dnc.org.nz), by fax to (04) 495 2115, or by mail to P O Box 11881, Wellington and should be received by midday on Tuesday 27 October.

Currently it is only possible to search .nz domain names by a specific domain name using WHOIS and it is proposed to limit the nature and eligibility of the searches as outlined below:

### **Search by Registrant**

#### *Nature of Search*

This search would be restricted to a search by Registrant name.

A search would be for the name specified only but it would be possible for reasonable variants to be requested such as Robert and Bob or McLean and MacLean.

#### *Eligibility*

Individuals would be able to search for a list of their own domain names with proof of identity.

Organisations would be able to search for a list of their own domain names with requests accepted from Directors, Chief Executives or other persons that can demonstrate an authority to act.

Agencies such as law firms, intellectual property advisors, accountants etc can search for a list on behalf of a client if they can show evidence of an authority to act on behalf of that person or organisation.

Any person can search for a Registrant where they intend to use the information as part of a Dispute Resolution Service (DRS) complaint, as per clause 5.1.3 of the DRS policy that allows the complainant to demonstrate that the respondent is engaged in a pattern of registrations.

#### *Cost*

Free for people or organisations seeking a search for their own names, or where done by an agency on their behalf.

A fee should be payable where the search is for use in a DRS complaint. This fee to be refunded if a corresponding, valid complaint is laid.

# Internet Best Practice Awards: application deadline extended

The application deadline for the Australia & New Zealand Internet Best Practice Awards has been extended to 14 September.

The inaugural Internet Best Practice Awards are being organised by the Australian domain name administrator auDA in collaboration with InternetNZ.

The Awards are open to New Zealand and Australian organisations, businesses, groups and individuals that have made significant contributions towards the security, openness, diversity and accessibility of the Internet.

Australian entries are currently outnumbering New Zealand entries by seven to one, and more New Zealand interest is strongly encouraged.

Application details and entry forms are available at: [www.bestpracticeawards.org.nz](http://www.bestpracticeawards.org.nz).

The fee should be high enough to deter misuse of the process but low enough to not be an unfair barrier.

### **Wildcard-type Search of Domain Name**

#### *Nature of Search*

Variants of existing domain names for possible cyber or typo squatting; for example, wwwtrademe.co.nz or trdeme.co.nz.

#### *Eligibility*

Registrants of an existing .nz domain name, or their authorised representative.

Search must relate to their domain name. Different requests required for different domain names but multiple variants of one name possible.

#### *Cost*

Cost could be based on tiers – up to 20 variants searched for \$A, up to 40 for \$B and so on.

Eligibility is limited to only allow requests for variants of existing domain names. Therefore, fees should be based on cost recovery rather than any deterrent aspect. Fees would be evaluated once requirements, and therefore process and times, are confirmed.

Based on submissions received, decisions will be made as to what, if any, additional search functions are added to .nz.

If it is agreed that additional searches should be allowed, it will require a change to the current WHOIS Policy. Changes will be drafted to that and will be the subject of a separate consultation.