

IPv6 NZ Hui

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Now

# IPv6 Implementation Case Study:

## StudentNet

## Product Features

- 30 Independent schools
- 5,500 Collaboration accounts
- Life Long IP address
- Secure controlled collaboration
- Single Sign On administration

## School's Requirements

- Privacy Teacher/Staff accounts
- Administrative control
- Child Protection
- Cyber Bullying Prevention
- Ease of Use

## The Product Again

- Each School receives a /48
- One /64 set aside for the collaboration accounts
- This /64 is the very last /64 in the /48 range – maximising addressing flexibility
- Additional /64's can be used for other purposes

## More Features

- No requirement for native v6
- All traffic flows through a common tunnel broker
- Inter-school traffic can be controlled

## And More Product

- Each account has a domain name dynamically allocated upon sign-in
- Sign-in is integrated with any SAML/Radius/LDAP web service

How would you do this in v4?

- Life long IP address
- IP Address level control granularity
- IP Address level auditability & logging

# Implementation experience <sup>IPv6</sup>Now

- Started transitions in December 2008, final school by March 2009
- Now implementing on an as sold basis, most recent in July, took 2 weeks to complete.

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Thank You

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