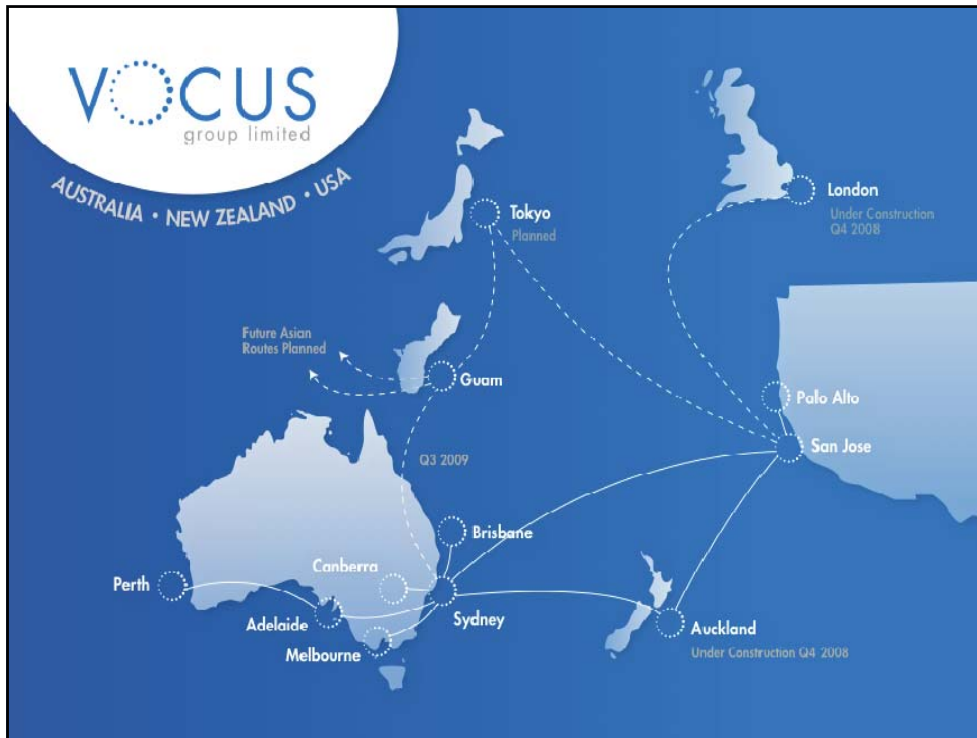# Priming the IPv6 Pump

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Vocus

Humble Beginnings

- Commenced network build Jan 2008
- Roadmap for IPv6 from beginning
- Eastern capitals completed March 08
- First international PoP June 08
- New Zealand PoP October 08
- Wholesale only – customers are ISPs

IPv6 Native
(and loving it)

- All POPs across two continents dual stack
- No Tunnels, no plans to broker
- Native Peering and Transit in the USA
- DNS, WWW etc all dual stack
- Expanding IPv6 peering (and fixing)

➢ All Transit services are dual stack by default

Problems Learning IPv6

- Lack of IPv6 transit
- Lack of business case to invest
- Use of tunnels is just plain broken
- No Australian backbone
  - All roads point to Japan (or the US)

Project: Free* IPv6

- Free IPv6 service to any ISP
- 100% SLA
- $0

- *No catches, No contracts

Locations

- Sydney: Global Switch, Equinix
- Melbourne: Global Center, PRIMUS/PIPE
- Brisbane: DC1/2/3
- Canberra: TransACT House
- SA/WA: coming soon

What we hope to achieve

- A higher penetration of native IPv6 in .au
- A domestic routing of IPv6
- Routes (22 of 57 assignments in .au visible)[1]

  - source: http://www.sixxs.net/tools/grh/dfp/

Results to Date

- 22 prefixes in .au visible globally
- 6 prefixes are connected through Vocus
- Now delivering first and only native IPv6 in New Zealand

How ?

- email info@vocus.com.au