New Zealand IPv6 status update

Dean Pemberton

New Zealand IPv6 Task Force

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- New Zealand IPv6 Taskforce Trustee

- Chair of Technical SIG

- ICT consultant who specialises in assisting organisations make strategic decisions on the adoption of emerging network technologies.

IPv6... Oh yeah that... yeah no one is doing that

- The purpose of these metrics is to further encourage the adoption of IPv6 and allow NZ's progress to be benchmarked against other economies.

Methodology

- Publicly available data should be used
- Historic data should (ideally) exist for chosen measures
- Measures should target outcomes (results) wherever possible and not inputs
- Leverage existing international frameworks where they exist
- Ability to be replicated internationally by other economies

Metrics

- Service provider readiness

- Availability of content and services

- Usage and uptake

`http://www.ipv6.org.nz/metrics/`

Service provider readiness

- ## 1: % of NZ ASes announcing v6 prefix
  - (RIPE measure)

- ## 2: v6-related queries to .nz root servers
  - (NZRS measure)

- ## 3: Number and type of ISPs v6 offerings
  - (Taskforce survey)

Availability of content and services

- 4: service availability of top NZ domains
  - (Vyncke measure)

- 5: service availability of .nz ccTLD
  - (TaskForce measure)

- 6: nz registrars offering v6 glue record services
  - (DNCL measure)

Usage and uptake

- [7: confirmed v6 traffic flows from ISPs](#)
  - (M-Lab measure)
- [8: % of v6 capable end-users](#)
  - (APNIC measure)
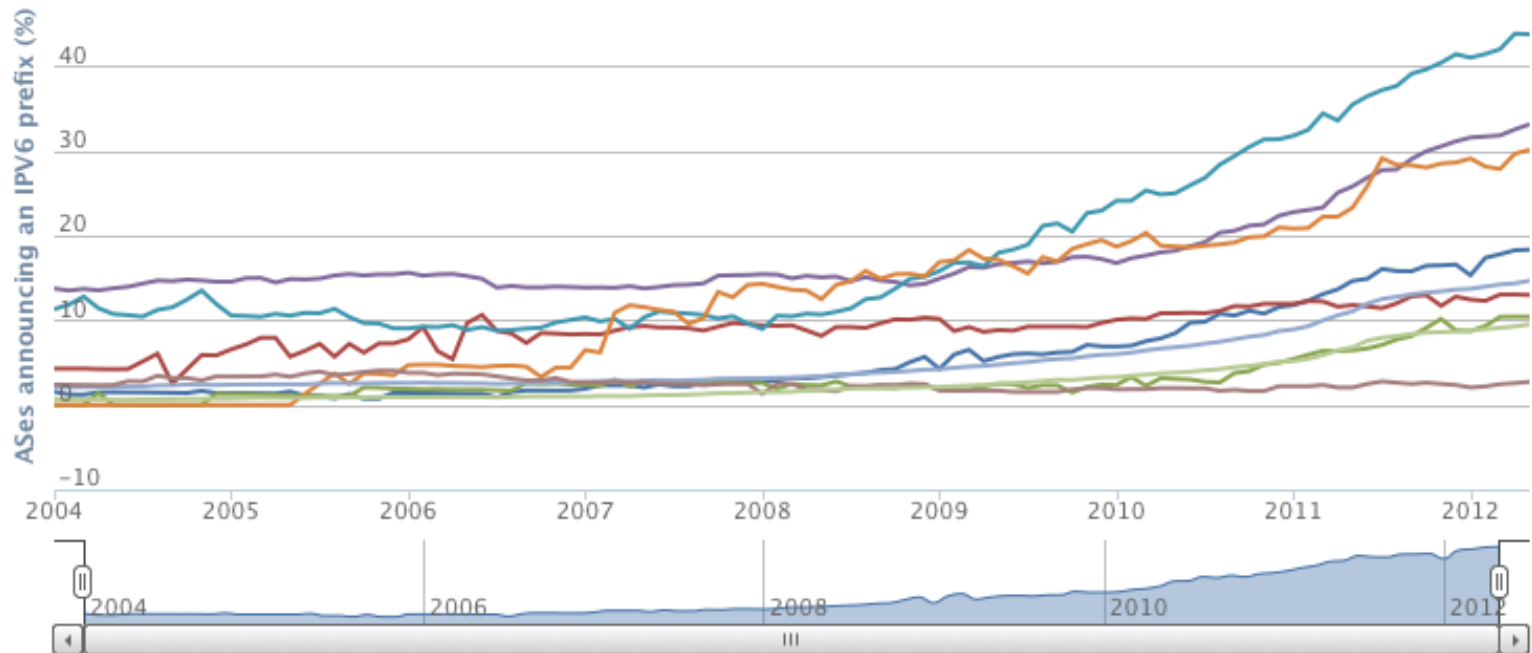- [9: v6 traffic levels on [WIX | large ISP]](#)

1. % of NZ Ases announcing a v6 prefix
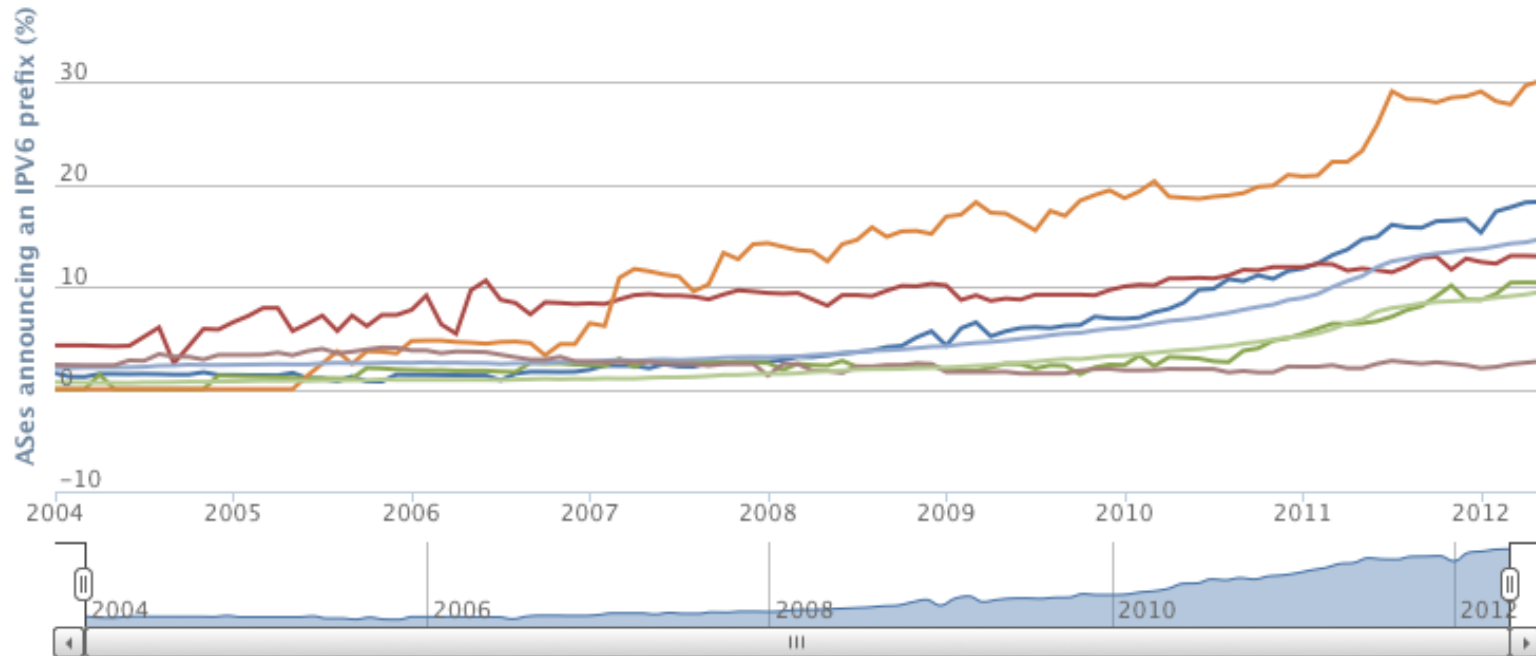
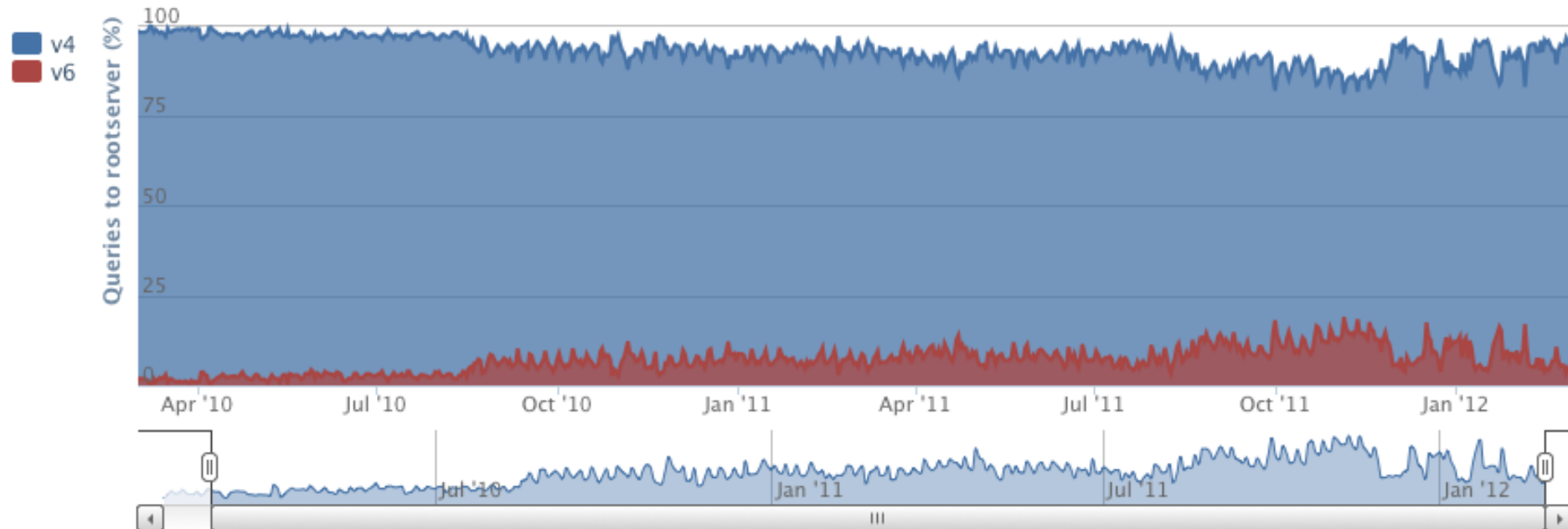# 1. % of NZ Ases announcing a v6 prefix

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2. v6-related queries to .nz root servers

Source of queries to .nz servers

3. Number and type of ISP v6 offerings
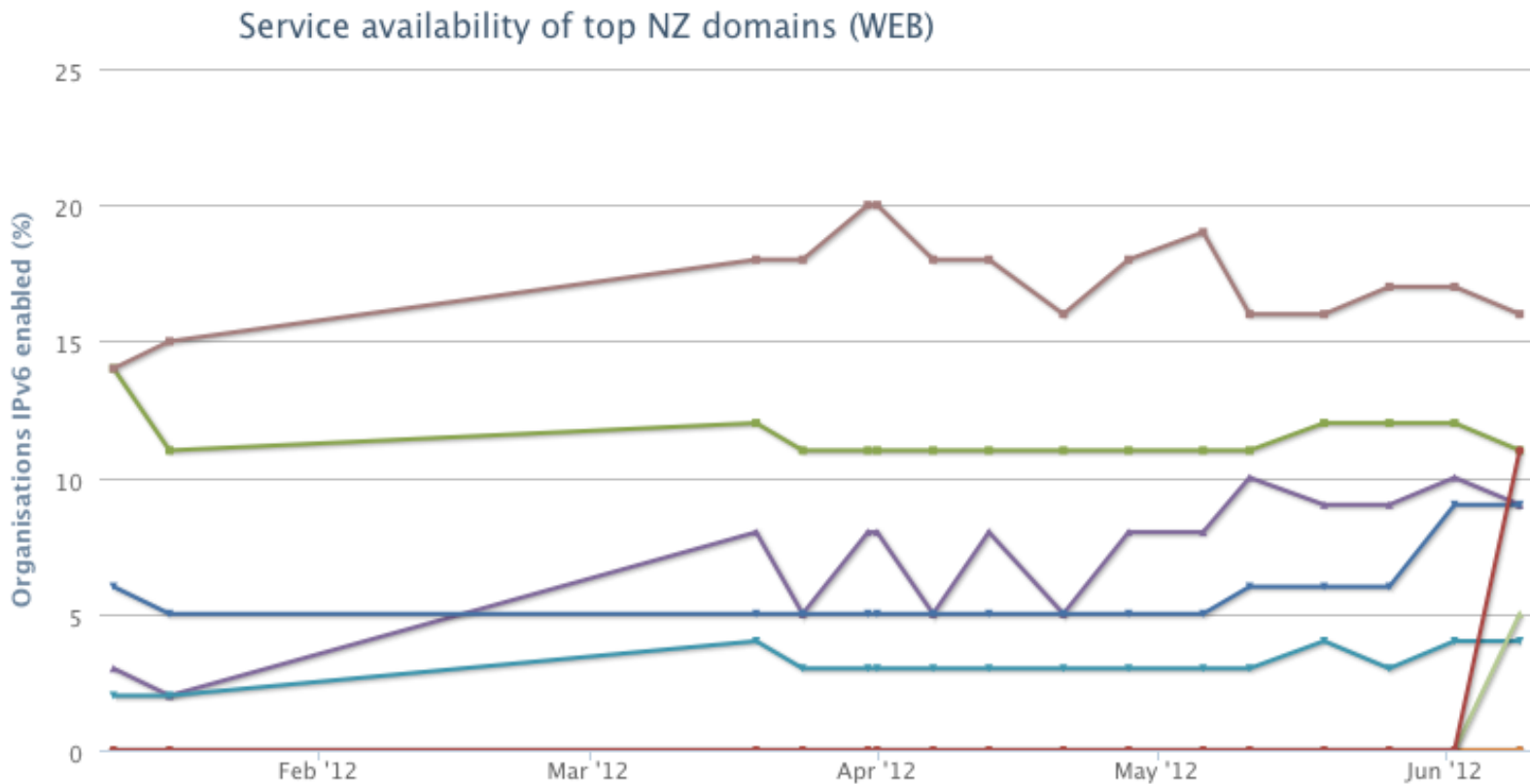
- Under development
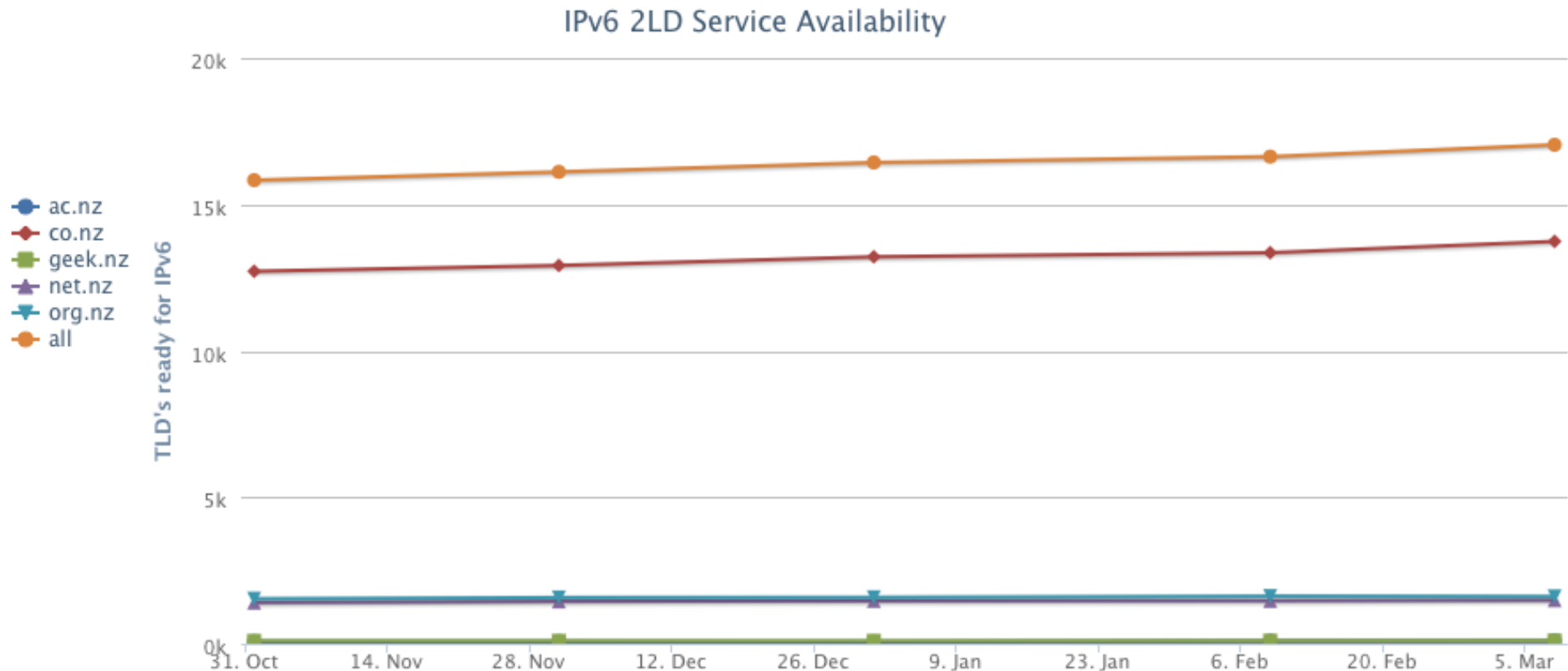- Task force survey

ISP IPv6 Offerings Q1 2012
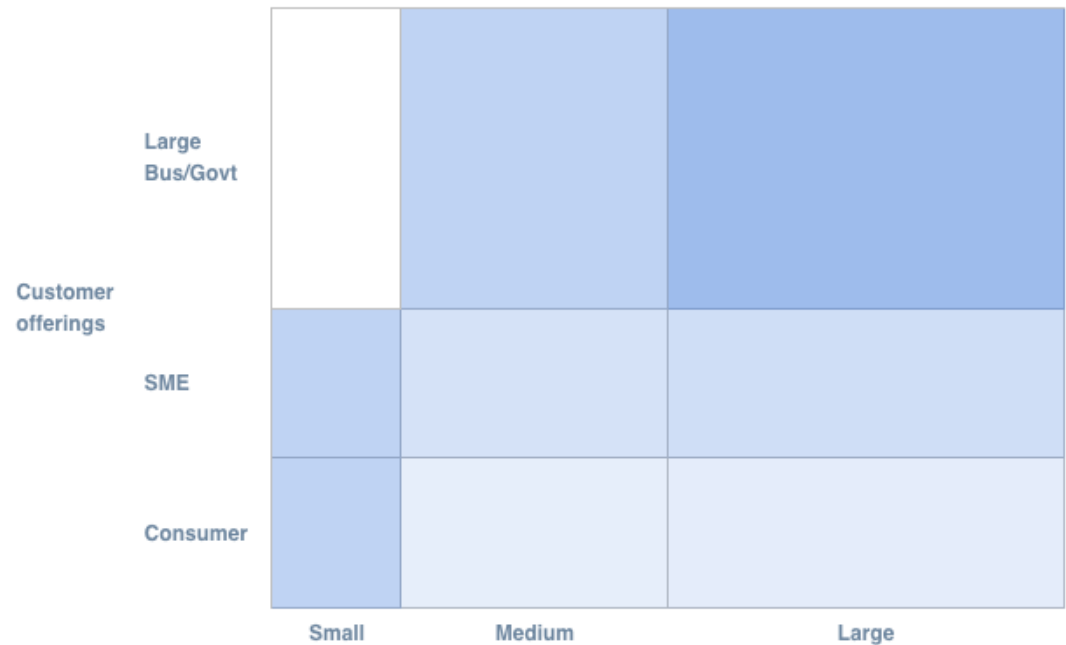
Large
Bus/Govt

Customer
offerings

SME

Consumer

Small   Medium   Large

4. Service availability of top NZ domains

Service availability of top NZ domains (WEB)

5. Service availability of .nz ccTLD

IPv6 2LD Service Availability

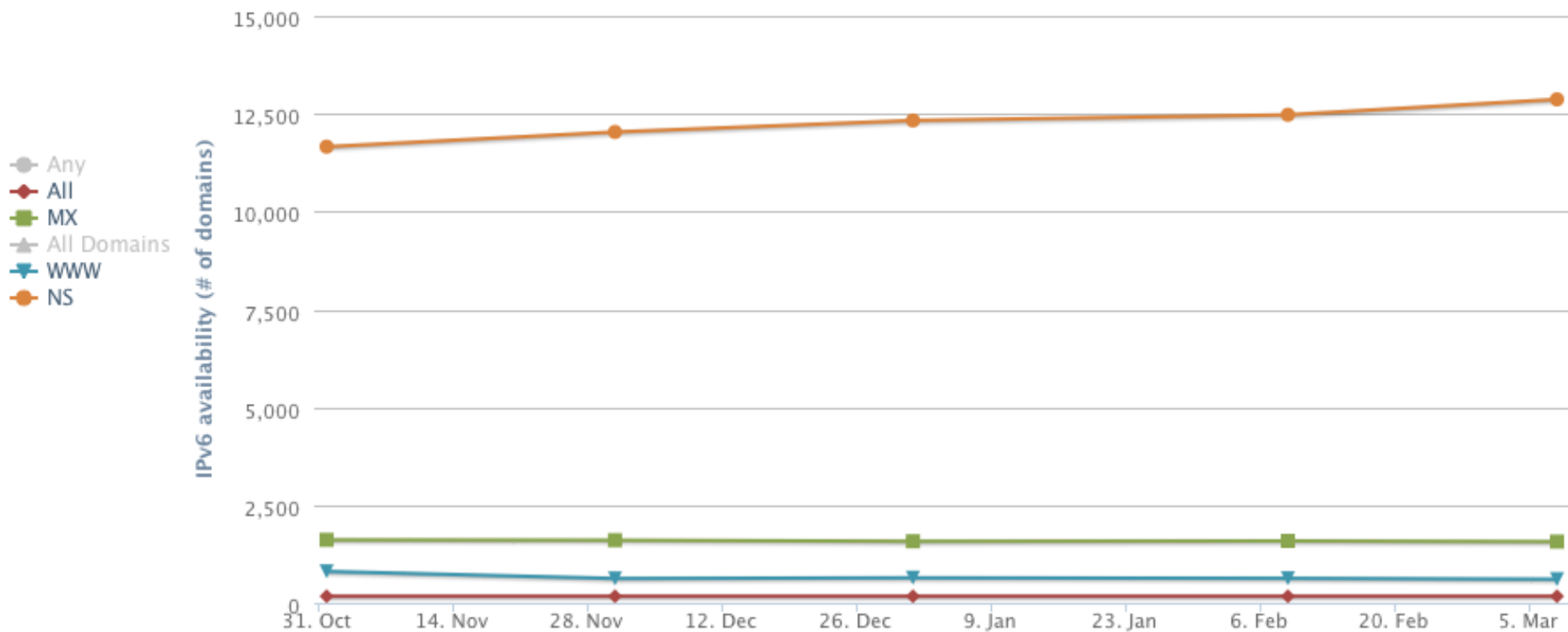Legend:
- ac.nz
- co.nz
- geek.nz
- net.nz
- org.nz
- all

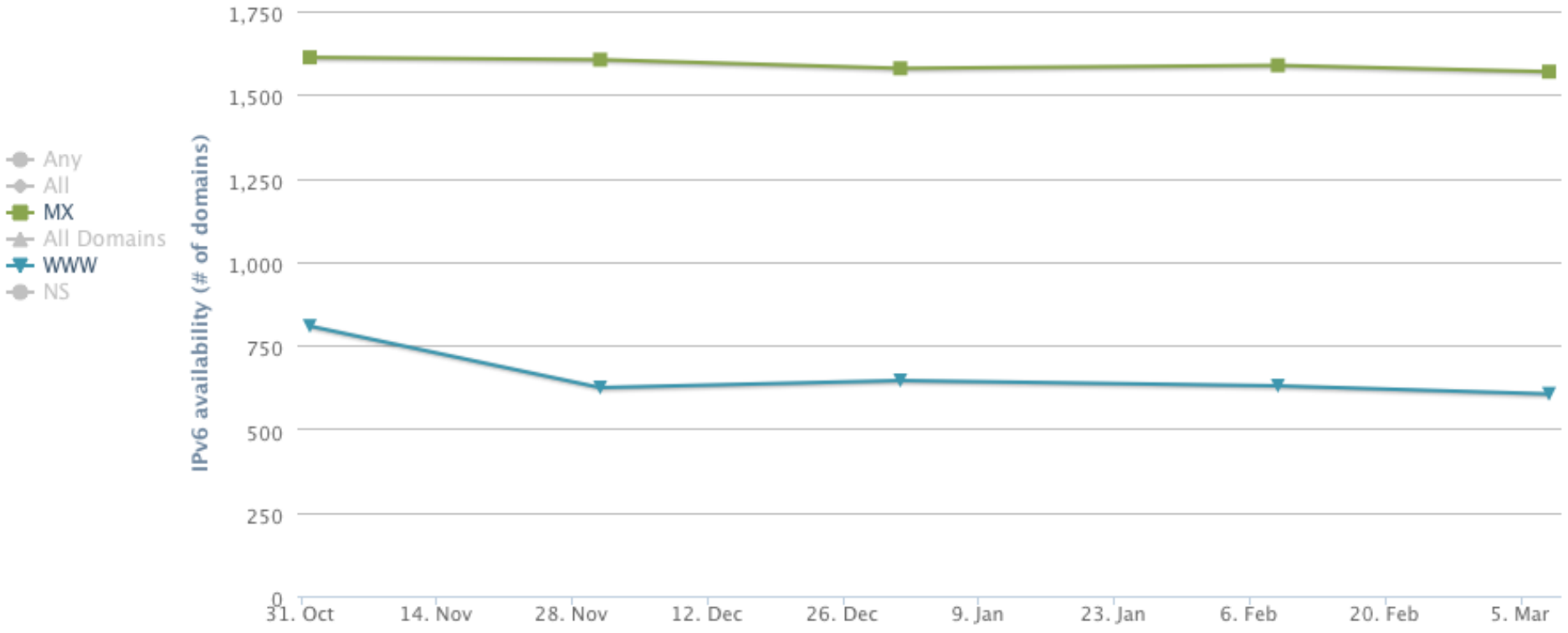# 5. Service availability of .nz ccTLD

IPv6 2LD Service Availability (co.nz)

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IPv6 2LD Service Availability (co.nz)
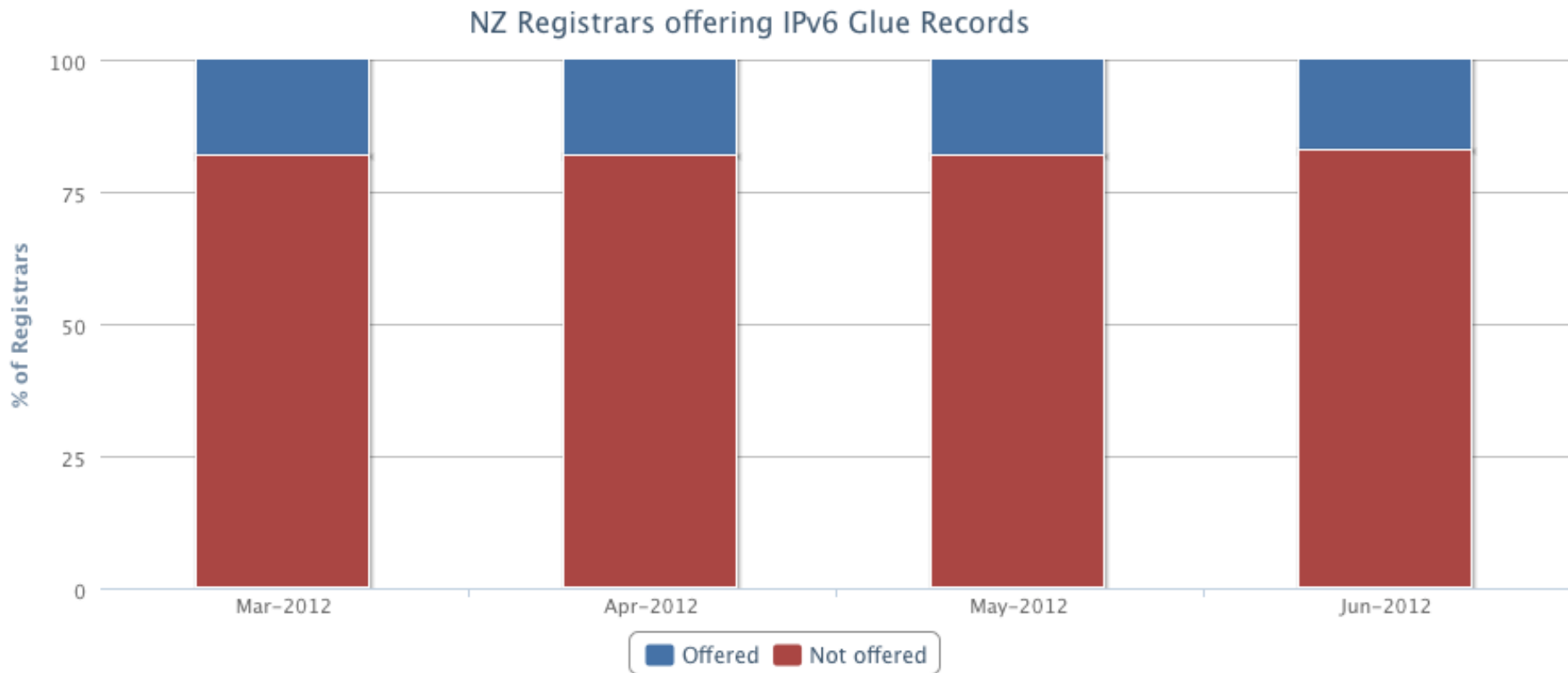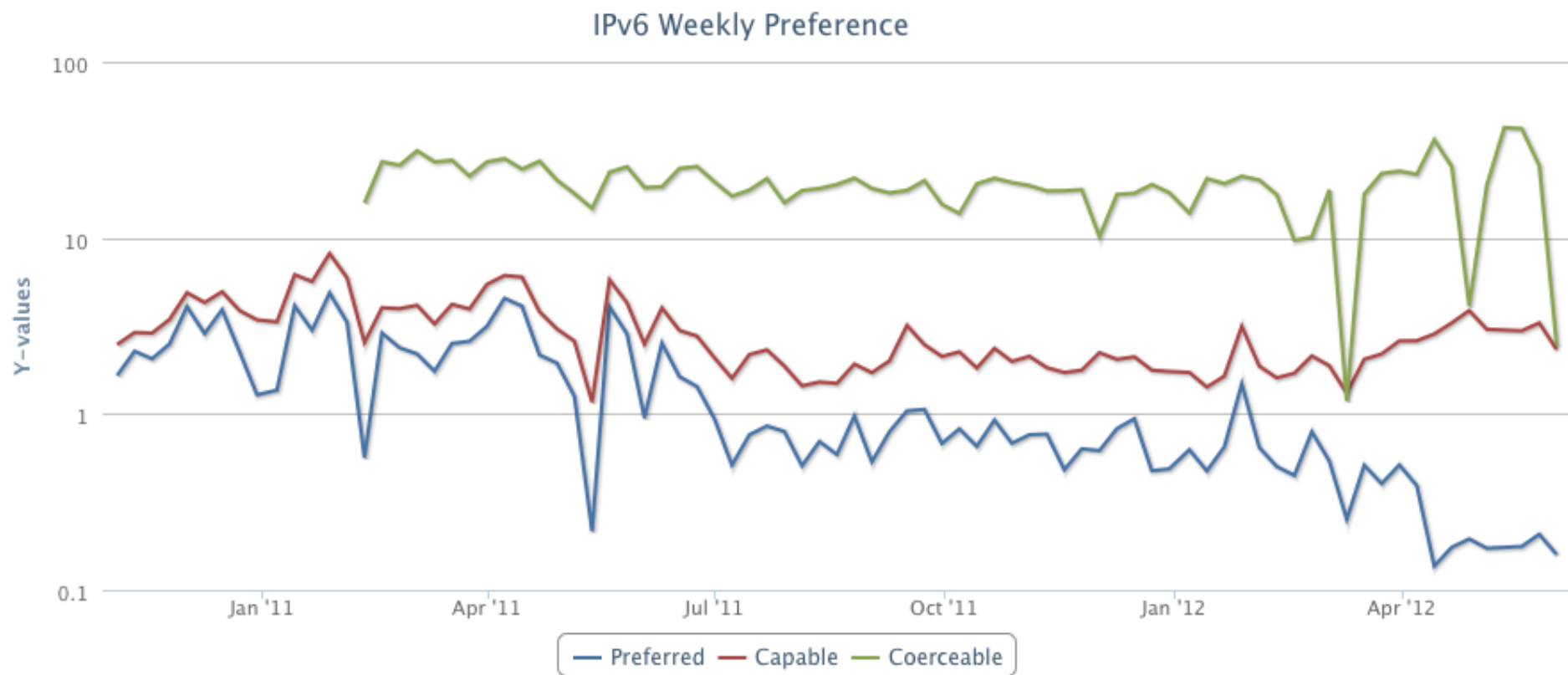
6. NZ registrars offering IPv6 glue records

NZ Registrars offering IPv6 Glue Records

7. Confirmed v6 traffic flows from ISPs

- Watch this space.
- Google M-Lab measure

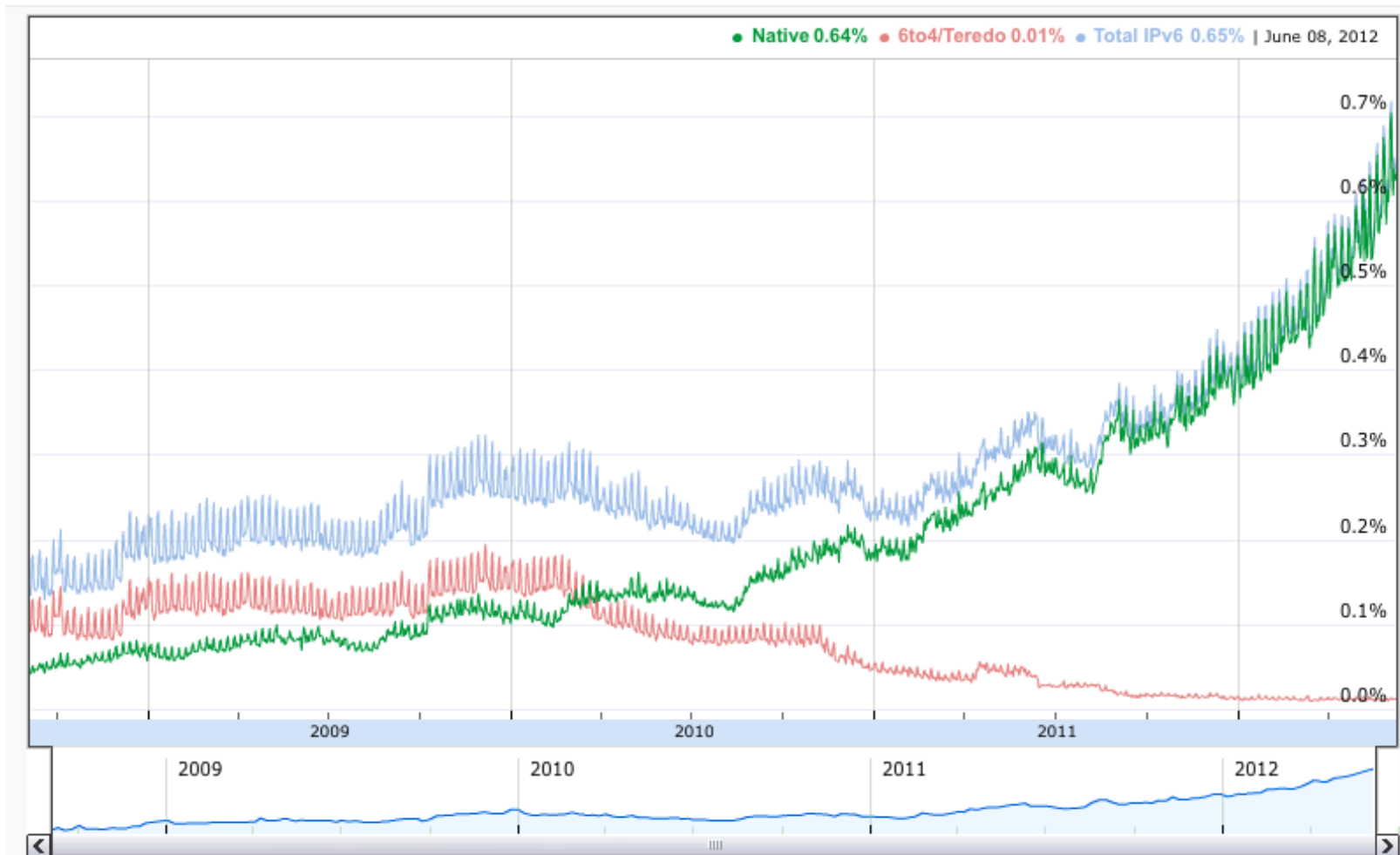# 8. % of capable end users

IPv6 Weekly Preference

Legend: Preferred, Capable, Coerceable

9. v6 Traffic levels

Future

- More work needed

- More data to gather

- Tells a great story of IPv6 adoption