ARIN Update

John Curran
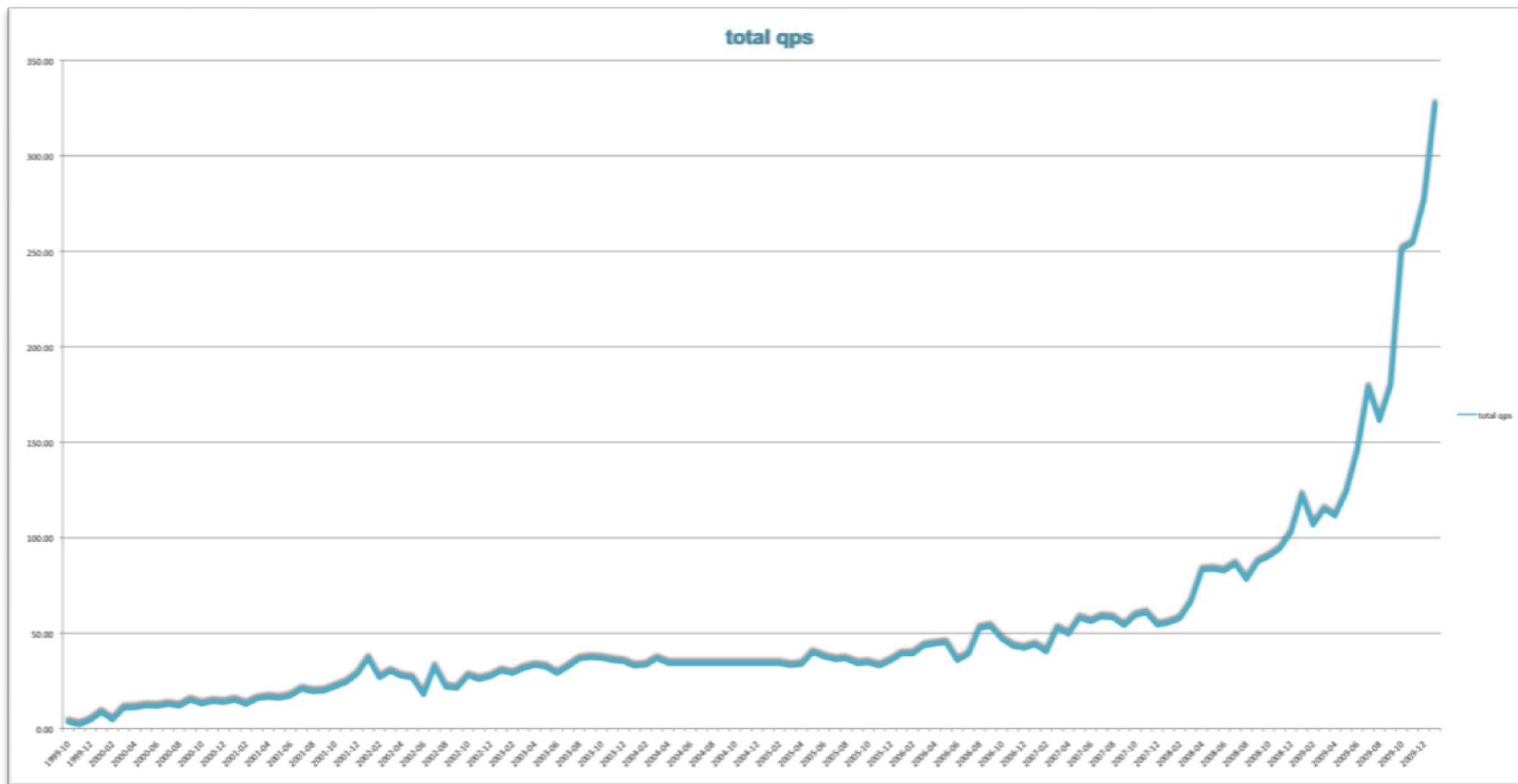APNIC 29
5 March 2010

4-byte ASN Stats

- **In 2009**
  - Received 197 requests for 4-byte ASNs
  - 140 changed request to 2-byte
  - ARIN issued 27 4-byte ASNs
    - 15 exchanged for 2-byte ASNs
  - Total 4-byte ASNs issued in 2009 = 12

- **Typical reason for exchange:**
  "Upstream said their router wouldn't support 4-byte ASN"

Public-Facing Development Efforts

- **ARIN Online**

- **DNSSEC**
  - Signing zones now
  - Interfaces to allow you to insert DS records in rolled out in 2010

- **RPKI**
  - Will be a production service at the end of 2010
  - Pilot available at http://rpki-pilot.arin.net

- **Whois-RWS**
  - Will be a production service in 2010
  - Pilot available at http://whoisrws-demo.arin.net

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WHOIS Traffic

total qps

Whois Traffic Loads

- Over 50% of the queries are self-referential
  - 192.168.2.5 asking for 192.168.2.5
  - Most are singleton queries
  - Increasing over the last year
- Does not appear to be a botnet
- Most seem to be windows boxes
- Any ideas on what code is causing this?

Outreach

- **ARIN continues to participate in various regional, national and international forums**
  - IPv4 depletion
  - IPv6 adoption
  - 4-Byte ASNs
  - The RIR System
  - Policy Development Process

- **Microsite**

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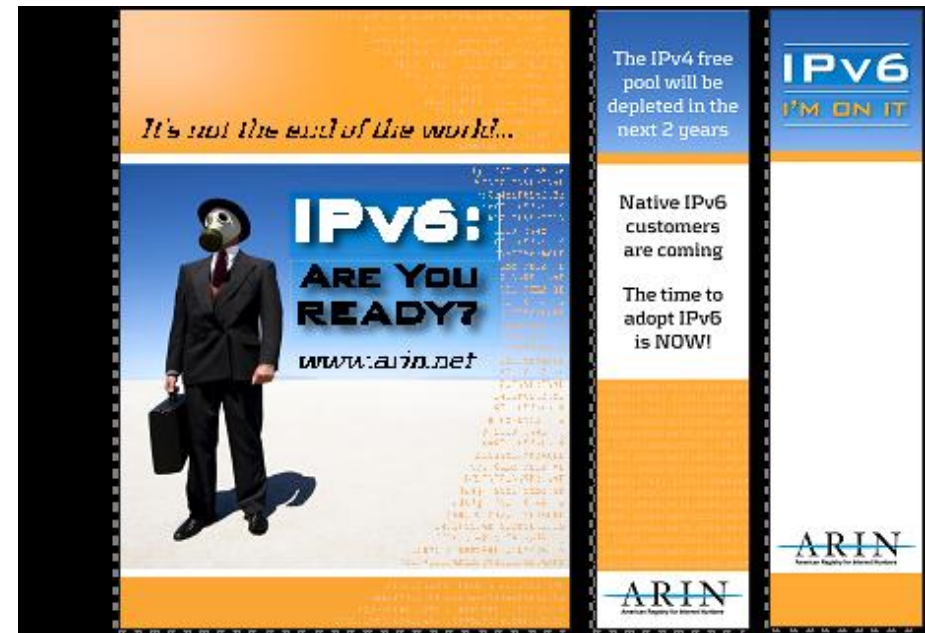
Implemented Policy

- **IPv4**
  - Transfers (2009-1)
  - Last /8, 3 month supply maximum (2009-8)
- **IPv6**
  - Removed text about routing single aggregate (2009-7)
  - Multiple Discrete Networks (2009-5)
  - Community Networks (2008-3)

Policy Proposal Discussions

- **Directory Service Changes**
  1. Customer Confidentiality – ISPs would have the option of providing reassignment customer info
  2. Standardization of registration requirements
- **IPv4**
  1. Moving Minimum Assignment unit to a /24
  2. Moving Minimum Allocation unit to a /23
  3. Waiting list for Unmet IPv4 Requests – only one prefix every 3 months
  4. M&A Transfer policy
- **IPv6**
  1. Allow /48s to all requestors
  2. Initial Allocation Criteria – allowing multi-homers to get /32s
  3. Standard allocation sizes /48, /40, /32, /28, /24

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ARIN Meeting

https://www.arin.net/participate/meetings/ARIN-XXV/

References

- Proposals and adopted policies
  - https://www.arin.net/policy/proposals/index.html

- Mailing Lists
  - https://www.arin.net/participate/mailing_lists/index.html

Thank you!

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