



ARIN Update

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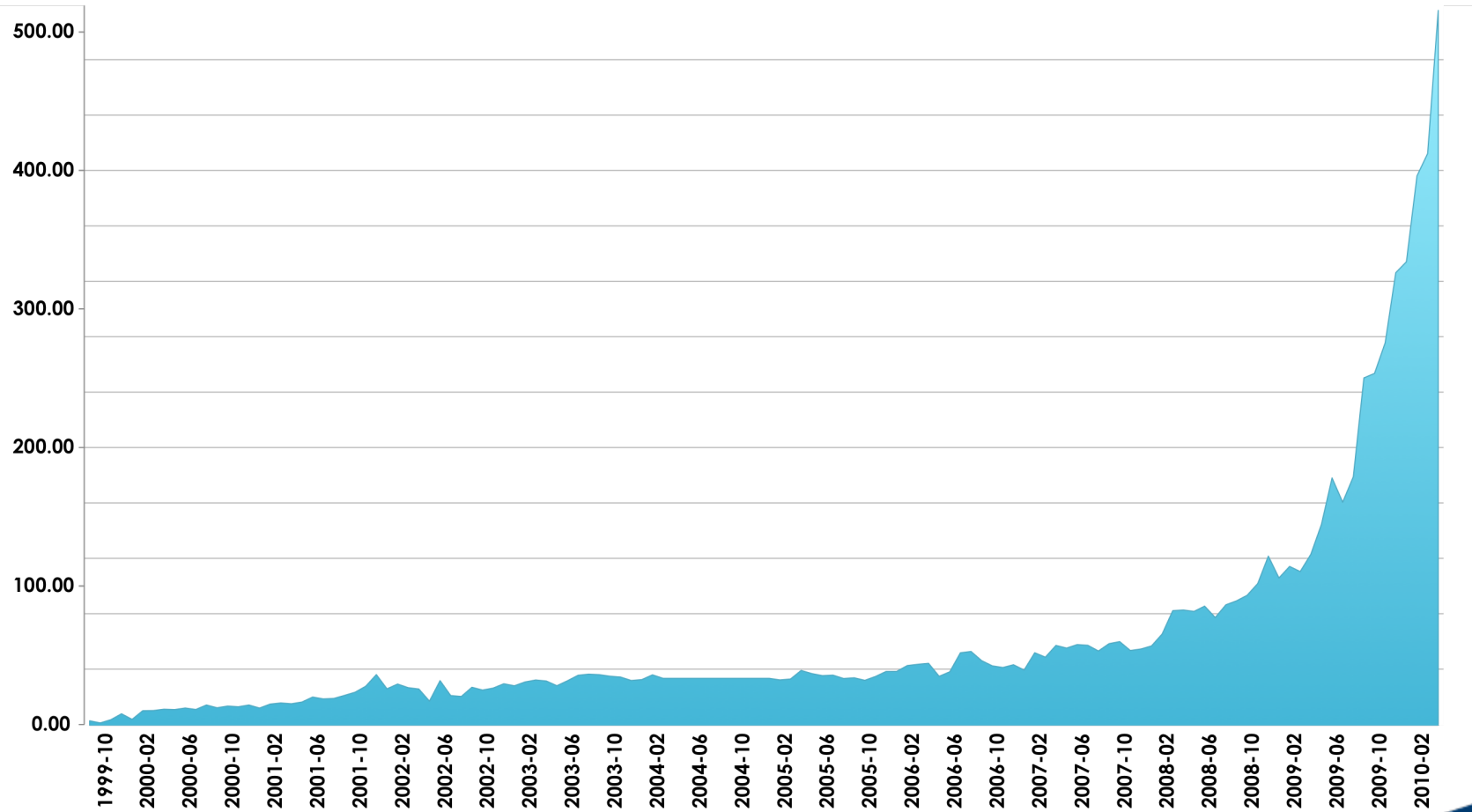
4-byte ASN Stats

- **Since policy inception in 2007:**
 - 426 requests for 4-byte ASNs
 - 366 changed to 2-byte prior to issuing
 - 60 4-byte ASNs issued
 - 35 exchanged for 2-byte ASNs
 - 25 4-byte ASNs issued as of today
- **Typical reason for exchange:**

“Upstream said their router wouldn’t support 4-byte ASN”

Whois Traffic

Queries Per Second



Whois-RWS

- Replacing existing Whois service on June 26
- Major upgrade to directory service
- More efficient
- More uniform and consistent with existing documentation
- Pilot Available since Oct 2009 at <http://whoisrws-demo.arin.net>
- Mailing list at <http://lists.arin.net/mailman/listinfo/arin-whoisrws>

Whois-RWS Features

- Legacy Port 43 support for existing Whois clients
- Also utilizes the web to address Whois Resources as addressable URLs using RESTful technology
 - Many others Amazon S3, Yahoo & Google services,.. ...
- Future features will use the REST interface
- More at <http://www.arin.net/features>

Public-Facing Development Efforts

- **ARIN Online**
- **Transfer Listing Service**
- **Whois-RWS**
- **DNSSEC**
 - Signing zones now
 - Interfaces to allow you to insert DS records in rolled out Q4 of 2010
- **RPKI**
 - Will be a production service at the end of 2010
 - Pilot available at <http://rpki-pilot.arin.net>

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 – teamarin.net**

The graphic is a promotional microsite for IPv6. It features a central image of a man in a suit with a bird's head, carrying a briefcase. The text 'IPv6: ARE YOU READY?' is prominently displayed, along with the website 'www.arin.net'. The background is a light blue sky with a white ground. The graphic is surrounded by a border of small, repeating text: 'The IPv4 free pool will be depleted in the next 2 years', 'Native IPv6 customers are coming', and 'The time to adopt IPv6 is NOW!'. The ARIN logo is visible in the bottom right corner.

Adopted, pending implementation

**The ARIN Board adopted two policies on 26 May.
Implementation dates to be announced soon for:**

1. Initial IPv6 Allocation Criteria – multi-homers to get /32s
2. M&A Transfer policy – M&As made easier (unused space to be returned)

Draft Policy Discussions

- **Work to continue**
 1. Waiting list for Unmet IPv4 Requests
 2. IPv6 assignment criteria
 3. IPv4 minimum assignment to /24 (renumbering req.)

Draft Policy Discussions cont.

- **Abandoned**
 1. Customer Confidentiality
 2. IPv4 minimum allocation to /23 (renumbering req.)
 3. Standard IPv6 allocation sizes /48, /40, /32, /28, /24

New Policy Proposals

1. **Directory Services (Policy Proposal 109)** - Defines “organizational information”, extends current cable address policy to all residential markets, duplicates IPv4 reassignment policy to IPv6
2. **Last /8 (110*)** - Creates multiple pools for special purposes, including new entrants, and small and multihomed organizations (for migration to IPv6)
3. **Last /8 (112*)** - Reserves all of the last /8 for special requests
4. **End of IPv4 policy (111)** - Four prefix maximum per request
5. **IPv4 Allocations (114*)** - Initial requests can count use of RFC 1918 space
6. **IPv6 Rapid Deployment (113)** – Additional IPv6 /32 and larger allocations for provisioning 6rd

Pick up a handout at ARIN's registration services desk

*Abandoned by AC

NRO NC Voting Changes for NANOG Meeting Attendees

- In the past NANOG attendees could only vote one day during the NRO NC Elections, the last day of the NANOG meeting.
- Starting with NANOG 50, attendees can cast their vote online throughout the entire period from 9/29-10/6/10.
- To be able to vote in this election, you **must be registered for NANOG 50 by 9/21/10**.
- You still may cast only one vote in this election regardless of whether you registered for both NANOG 50 and ARIN XXVI and are also an eligible ARIN voting member.
- To learn more about the NRO NC visit:
<https://www.arin.net/participate/elections/nronumbercouncil.html>

ARIN Meetings

(Atlanta and Puerto Rico)



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!