

ARIN & CAIDA Survey Report: Regional IPv6 Penetration

The American Registry for Internet Numbers, in cooperation with the Cooperative Association for Internet Data Analysis (CAIDA), conducted a survey to gather data regarding the current and future use of IPv6 throughout the ARIN Region.

The results of the survey were presented by kc claffy of CAIDA and discussed at the ARIN XXI Public Policy and Members Meeting. The survey data will support ongoing research.

The survey was open from 10 – 24 March, and 347 responses were submitted. The survey provided empirical data to support anecdotal theories about current IPv6 deployment. Most IPv6 deployment is taking place in the nonprofit sector for internal use. The reported major hurdle to external deployment is lack of user demand.

Highlight of the results:

- 55% of respondents were small (100 employees or less)
- 66 % of respondents did not have an IPv6 allocation/assignment
- 45% of non-IPv6 resource holders said they “hadn’t gotten around to (getting IPv6)”
- 84% of IPv6 resource holders said they got IPv6 to “get ahead of the game”

You can view the full details of the survey, on the ARIN v6 wiki at: http://www.getipv6.info/index.php/Main_Page

ARIN XXI

Denver,
Colorado
6-9 April 2008

The ARIN XXI Public Policy and Members Meeting was held in Denver, Colorado and featured a number of special events in addition to the Public Policy discussions and



Members Meeting. Network connectivity was sponsored by WildBlue Communications.

ARIN offered attendees an opportunity to experiment on an IPv6-only network, demonstrations of new web-based services, and a chance to comment on a new Policy Development Process. For the first time, the Sunday afternoon educational events were made available to remote participants via webcast, including General Counsel Steve Ryan’s presentation on “Understanding the ARIN Legacy Registration Services Agreement.”

The Wednesday Members Meeting included reports on ARIN activities, and Board Chair John Curran addressed community issues regarding Election procedures and Mail List AUPs.

The full transcripts for the meeting, along with webcasts are available at: http://www.arin.net/meetings/minutes/ARIN_XX/

ARIN XXI Public Policy Discussions

During the Public Policy Meeting at ARIN XXI eight policies were presented for public discussion. Following the ARIN Internet Resource Policy Evaluation Process, the discussions provide additional input for Advisory Council action. The following policies were presented, and their resulting status is noted below:

Proposal #	Proposal Name	Status
2007-14	Resource Review Process	To be revised
2007-17	Legacy Outreach and Partial Reclamation	To be revised
2007-21	IPv6 for legacy holders with RSA and efficient use	Last Call
2007-23	End Policy for IANA IPv4 allocations to RIRs	Last Call
2007-27	Cooperative distribution of the end of the IPv4 free pool	Abandoned

ARIN in Brief

Established: 1997

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Proposal #	Proposal Name	Status
2008-1	SWIP support for smaller than /29 assignments	Last Call
2008-2	IPv4 Transfer Policy Proposal	To be revised
2008-3	Community Networks IPv6 Allocation	To be revised

Revised PDP

On the second day of ARIN XXI, Scott Bradner presented the revised version of the Internet Resource Policy Evaluation Process (IRPEP) that has been developed by the Board of Trustees.

The proposed new PDP will empower the ARIN Advisory Council, turning them from an evaluation body into a policy development body. It is intended to bring forth clear, technically sound and useful policy. It will reduce overlapping policy proposals, require assessments before discussion (staff and legal), and give adequate opportunities for discussion prior to each public policy meeting. The proposed new PDP provides the appropriate checks and balances; and maintains the open and transparent nature of the current process.

The text of the new PDP will be posted on the ARIN website for community comment for two weeks, after which any necessary changes will be incorporate prior to ratification by the Board. The new PDP will be in place for proposals submitted for consideration at ARIN XXII.

IPv6 Event

ARIN XXI featured a native IPv6 network to allow attendees to experiment with IPv6 sites on the Internet. The IPv6 Pre-Game Show on Sunday served as a test run and question and answer session to prepare for the experiment. Participants were briefed about similar IPv6 experiments held during other industry events and the network setup at ARIN XXI.

The Main Event, held immediately following the Public Policy Meeting on Tuesday, featured presentations explaining the experiment, test scenarios, and detailed information on network setup. In both sessions, the audience was given time to setup their laptops to play with IPv6 while listening to talks on how to set up this particular environment at their office.

Throughout the experiment, Mark Kusters, ARIN Chief Technical Officer, solicited the audience for status reports on their progress and any problems they found. He also invited them to record their experience and findings on the ARIN IPv6 wiki.

The sessions were well received and quite lively. Approximately 95% of the participants were able to connect to the Internet over IPv6 using a variety of OS's, including Windows XP, Vista, Mac OSX, Linux, BSD, and Microsoft

Server 2008. Participation was active, with many comments and questions coming from the floor on the mechanics of setting up and using IPv6.

You can view the event log entries and other interesting IPv6 information on ARIN's IPv6 wiki at: http://www.getipv6.info/index.php/IPv6_at_ARIN_21

New Mailing List AUP

Because the Mailing List Acceptable Use Policy (AUP) is not a Number Resource Policy matter, it was removed from the Number Resource Policy Manual (NRPM) effective 27 March 2008. The new AUP is a stand-alone document that sets forth general guidelines of acceptable list conduct and calls out a number of specifically prohibited activities, including use of aliases and fictitious postings. A section has been added outlining procedures for reporting violations and enforcement.

For the purpose of enforcement an AUP committee has been formed to assist the ARIN President and General Counsel. The committee members serve a one-year term, beginning in February, and may be reappointed. The committee for 2008 comprises Bill Manning, Board; Matt Pounsett, AC; and Ron da Silva, representing the members in good standing.

Community members may report violations to ARIN by e-mailing aupabuse@arin.net. Information must include the list name (arin-ppml, arin-discuss), date of post, name of poster and subject header, and the reason the post is believed to be in violation of the AUP.

Project X Live Demo

During the lunch breaks at the Public Policy and Members meeting in Denver, ARIN XXI attendees were treated to a sneak preview of "Project X." During both sessions, approximately 50 attendees followed along as Chief Engineer Andy Newton provided a guided tour of ARIN's new web-interface that will allow customers to manage their interactions with ARIN online.

Over the course of two days 24 people successfully registered on the demo site. After the meeting, an announcement was sent to the community inviting them to participate. The demo site remained available from 7 -18 April, and allowed "test drivers" to initiate accounts and establish POCs and Org IDs. The results were phenomenal with over 2000 visitors and nearly 800 registrations.

Demo Statistics	
Number of Visits	2603
Unique Visitors	2202
Registrations	793
Confirmed Registrations	698

Demo Statistics	
POCs Linked to Users	762
Templates Requested	197

The high number of testers reflects the community's enthusiasm for a web interface to manage their ARIN accounts. We received over 50 feedback messages, which were resoundingly positive. The majority of the bugs reported were related to rendering issues, and some logic errors in the code.

We look forward to continuing this project, with community support, and are eager to roll a fully functioning web-interface into production.

Caribbean Sector Meeting

Kingston, Jamaica 21 May 2008

On 21 May, ARIN will host a Caribbean Sector Meeting in Kingston, Jamaica. This meeting is designed to solicit the input of Caribbean resource holders on their regional needs and provide information on how they can become active participants in the ARIN community and policy process.

There will be a second Caribbean Sector meeting in September in the Bahamas as part of the ramp up to ARIN XXII in Los Angeles.

ARIN Outreach Activities

ARIN is maintaining a brisk schedule of community outreach and participating in industry events.

So far in 2008 we have had either of our booth or been featured on the agenda, at:

- State of the Net – Washington, DC
- ICANN – New Delhi, India
- NANOG 42 – San Jose, CA
- ICT Summit – Vancouver, BC
- IETF – Philadelphia, PA
- Nonprofit Technology Conference – New Orleans, LA
- FISPA – Orlando, FL
- ITU-T Study Group 3 – Geneva, CH
- FOSE – Washington, DC
- Rocky Mountain IPv6 Task Force Summit – Denver, CO

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American Registry for Internet Numbers

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WORKING WITH YOU
TO MANAGE INTERNET
NUMBER RESOURCES

- Allocating Internet number resources
- Developing consensus-based policies
- Advancing the Internet through outreach

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Look for ARIN's new information booth at an event near you!

ARIN XXII

Los Angeles, California 15-17 October 2008

Join us in Los Angeles, California for ARIN XXII. The meeting will be held back-to-back with NANOG 44, which runs 12-14 October. Hotel reservation and meeting registration information will be available in the summer. An announcement will be made when ARIN XXII information is available on the ARIN website.



ARIN Consultation and Suggestion Update

Since 1 August 2006 there have been:

- 53 Suggestions
- 4 Consultations
- 11 related procedural change at ARIN

There are three active suggestions:

2008.2: ARIN Tracking Address Blacklists (which was also the subject of a recent consultation)

2008.5: Testbed for Checking ARIN Template Syntax

2008.8: Reduced Fee structure for Qualified 501c (3) (or equivalent) Organizations.

One Consultation was recently held, based on a suggestion: Daily Publication of IP Addresses Issued and Returned

You can find the text and comments on suggestions at: http://www.arin.net/acsp/acsp_suggestions.html. The archives of past suggestions are also available through this link.

To review previous consultations go to: http://www.arin.net/acsp/acsp_consultations.html

About ARIN

ARIN continues to develop new media to support our community outreach and education efforts. The latest is a flash

presentation called "About ARIN" that is an introduction to ARIN and an overview of our services.

View it online at: http://www.arin.net/education/about_ARIN/

Legacy Registration Services

Agreement

The Legacy RSA is available to organizations and individuals in the ARIN service region who hold legacy Internet number resources not covered by any other Registration Services Agreement with ARIN. A legacy number resource is defined as an IPv4 address or Autonomous System number that was issued by an Internet Registry (InterNIC or its predecessors) prior to ARIN's inception on 22 December 1997.

By formalizing their relationship with ARIN, legacy space holders can protect themselves from future community action that might seek to reclaim their unused address space, or otherwise limit their rights and access to WHOIS and in-addr services.

As of 23 April 2008 Legacy RSA Statistics:

Total Legacy RSA requests	199
Requests via the Transfer Process	49
Requests via the Legacy Application	150
Total Completed Requests	61
Total Pending Requests	127

New Mailing List Names

As a result of a suggestion made through ARIN's Consultation and Suggestion Process (ACSP), ARIN recently standardized two mailing list names. ARIN's Public Policy Mailing List (PPML), ppml@arin.net, was renamed arin-ppml@arin.net. Similarly, ARIN's Consultation and Suggestion Process (ACSP) Mailing List, consult@arin.net, was renamed arin-consult@arin.net. These changes were implemented 23 April 2008. Subscriptions were migrated to the new mailing list names and mailing list archives were converted to their new names. Organizations may need to adjust mail filters and anti-spam software accordingly.

Board of Trustee Actions

On 10 March 2008, the ARIN Board of Trustees, acting on the recommendation of the Advisory Council and noting that the Internet Resource Policy Evaluation Process had been followed, adopted the following policy proposal:

Policy Proposal 2007-22: Expand timeframe of Additional Requests This policy proposal has been incorporated into version 2008.2 of the ARIN Number Resource Policy Manual (NRPM).

The Board also voted to remove the Mailing Lists section from the NRPM (Section 9). This section described the acceptable use policies of ARIN mail lists. The section was an artifact of the creation of the NRPM and was not number resource policy.

The Board also approved the new Mailing List AUP, and a bylaws change to the Board Election Process. The meeting minutes can be viewed at: http://www.arin.net/meetings/minutes/bot/bot2008_0310.html

