



ARIN Update

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NANOG 46

June 17, 2009

Outreach Efforts

- ARIN continues to participate in various regional, national and international forums
 - IPv4 depletion
 - IPv6 transition
 - 4-Byte ASNs
 - The RIR System
 - Policy Development Process
- ARIN Government Working Group formed
 - Focus is on strengthening cooperation between public and private sector
 - Discussions include how and why governments can/should get involved in ARIN

ARIN Letter to CEOs

- **Announcement sent to ~15,000 orgs***
 - IPv4 address space will be depleted within the next few years
 - Organizations should begin planning on the transition to IPv6
 - Beginning 18 May 2009, all applications for IPv4 address space must include an attestation of accuracy from an officer of the organization
- E-mail sent to ~25,000 registered POCs with v4 address space

*<https://www.arin.net/announcements/2009/20090420.html>

WHOIS Clean Up Project

Phase 1

- **Direct allocations & assignments**
 - IPv4, IPv6, ASNs, (includes legacy)
 - 32,947 e-mails in total (encompasses 42,920 distinct POCs)
 - 2,000 per week
 - Estimate ~4 months to complete

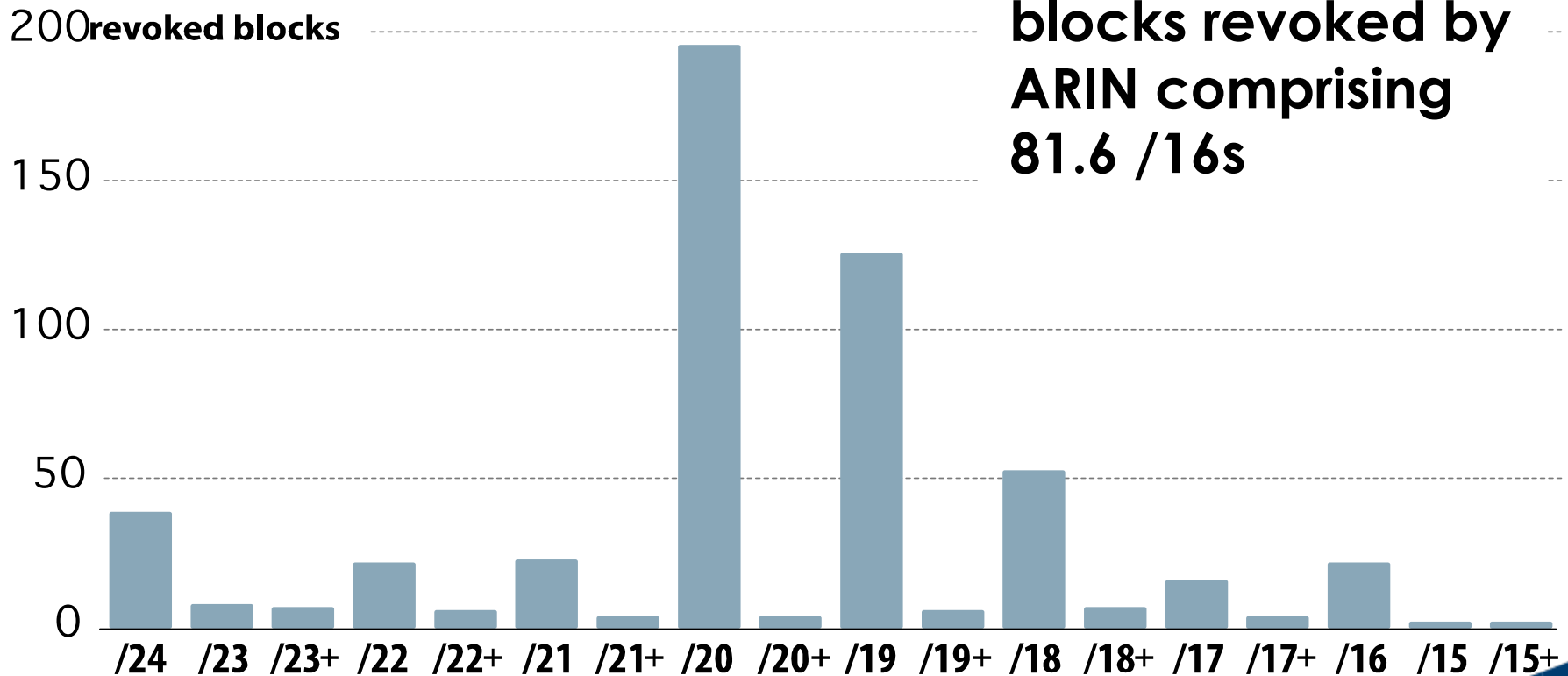
Phase 2

- **Reassignments**
 - Expected start: end of summer
 - 31,378 reallocations
 - 327,630 detailed reassignments

Revoked Address Space

Jan 2005 – April 20, 2009

529 IPv4 address blocks revoked by ARIN comprising 81.6 /16s



Recovered ASNs

Jan 2005 – April 20, 2009

	ASN
Returned	1,055
Revoked	3,302

Returned = Space recovered by voluntary release by organizations

Revoked = Space recovered because of non-payment

Engineering Activities

- Focusing on upgrading services (ARIN Online)
- Improving existing IRR System
- Improving WHOIS/RWhois
- RPKI Pilot
- DNSSEC Rollout

ARIN Online



SEARCH WHOIS

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Welcome Erika

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TRACK TICKETS

Tickets

Displayed below are ticketed Web Profile requests and questions submitted through your ARIN Web account. TICKETED POC AND ORG REQUESTS SUBMITTED THROUGH YOUR ARIN WEB ACCOUNT ARE NOT CURRENTLY DISPLAYED. In the future, ARIN will add more request types (POC, Organization, Resource, etc.) to the Track Tickets display. Any requests submitted via e-mail templates are not shown.

Click a ticket number to view detailed information about the request and related correspondence with ARIN.

[Search](#) for a ticket.

OPEN

TICKET NUMBER	SUBMITTED DATE	REQUEST TYPE	STATUS	ACTION NEEDED BY	LAST UPDATED DATE
ARIN-20090508-X6	05-08-2009 13:47:37	Question	Pending Review	ARIN	05-08-2009 13:47:37
ARIN-20090508-X5	05-08-2009 10:46:08	Question	Pending Review	ARIN	05-08-2009 10:46:08

Results 1-2 of 2

CLOSED

TICKET NUMBER	CLOSED DATE	REQUEST TYPE	RESOLUTION
ARIN-20090508-X2	05-28-2009 07:34:25	Question	Answered
ARIN-20090508-X3	05-28-2009 07:34:00	Question	Answered
ARIN-20090508-X4	05-28-2009 07:33:17	Question	Answered
ARIN-20090519-X8	05-26-2009 15:26:46	Question	Answered

Results 1-4 of 4

ARIN Online

WEB PROFILE

POC RECORDS

ORGANIZATION DATA

TRACK TICKETS

ASK ARIN

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Ticket Information

Below are the details of your request and related correspondence with ARIN. Scroll down to view all information and access any actions you can take for this request.

TICKET DETAILS

Ticket Number: **ARIN-20090508-X2**
Submitted Date: **05-08-2009 10:43:45**
Request Type: **Question**
Status: **Closed**
Resolution: **Answered**
Closed Date: **05-28-2009 07:34:25**

REQUEST DETAILS

Topic: **Invoices**
Subject: **Online Invoices**
Question: **In this fancy new website, can I get to my invoices online?**

ACTIVITY AND CORRESPONDENCE LOG

Date: **05-28-2009 07:34:25**
Message: **Ticket Status: Closed**
Ticket Resolution: Answered

Date: **05-27-2009 08:41:34**
Message: **Ticket Status: Resolved**
Ticket Resolution: Answered

Date: **05-27-2009 08:41:34**
Message: **Ticket Status: In Progress**

Date: **05-27-2009 08:41:34**
By: **Tammy Rowe**
Subject: **[ARIN-20090508-X2] - Question - Invoices - Online Invoices - ANSWERED**
Message: **Hello Erika,**

At this time online invoices are not available, but you may request by email or phone for a copy. Financial Services is available Monday - Friday 9am - 5pm 703.227.9886 or billing@arin.net. You may also call me direct 703.227.9857.

The status of your ticket is Resolved. If your request has not been resolved to your satisfaction, please click the Reply button below. If you are satisfied with this resolution, please click the Close Ticket button below. The ticket will

ARIN Online

POC RECORDS

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ORGANIZATION INFO

Org ID: **TEST-3**
Name: **Test Org 3**
Address: **1313 Harbor Blvd.
Anaheim, CA 92801
UNITED STATES**



modify

OTHER INFO

Referral Server: **rwhois://rwhois.example.net:34322**
Public Comments: **Standard NOC hours are 7am to 11pm EST**
Registered Date: **09-30-2008**
Last Updated: **06-10-2009**

ORGANIZATION POINTS OF CONTACT

Admin POC: **TEST-ARIN**
Name: **Test My name**
Phone: **+1-555-555-5555 (Office)**
E-mail: **testaddress@example.com**

Tech POC: **None Listed**
Tech POC is required. Please update the organization record or contact hostmaster@qa.arin.net or +1.703.227.0660 for assistance.

Associated Resources

AS NUMBERS

The following AS Numbers have been issued to this Organization.

AS HANDLE	AS RANGE
AS47103	47103
AS397987	397987

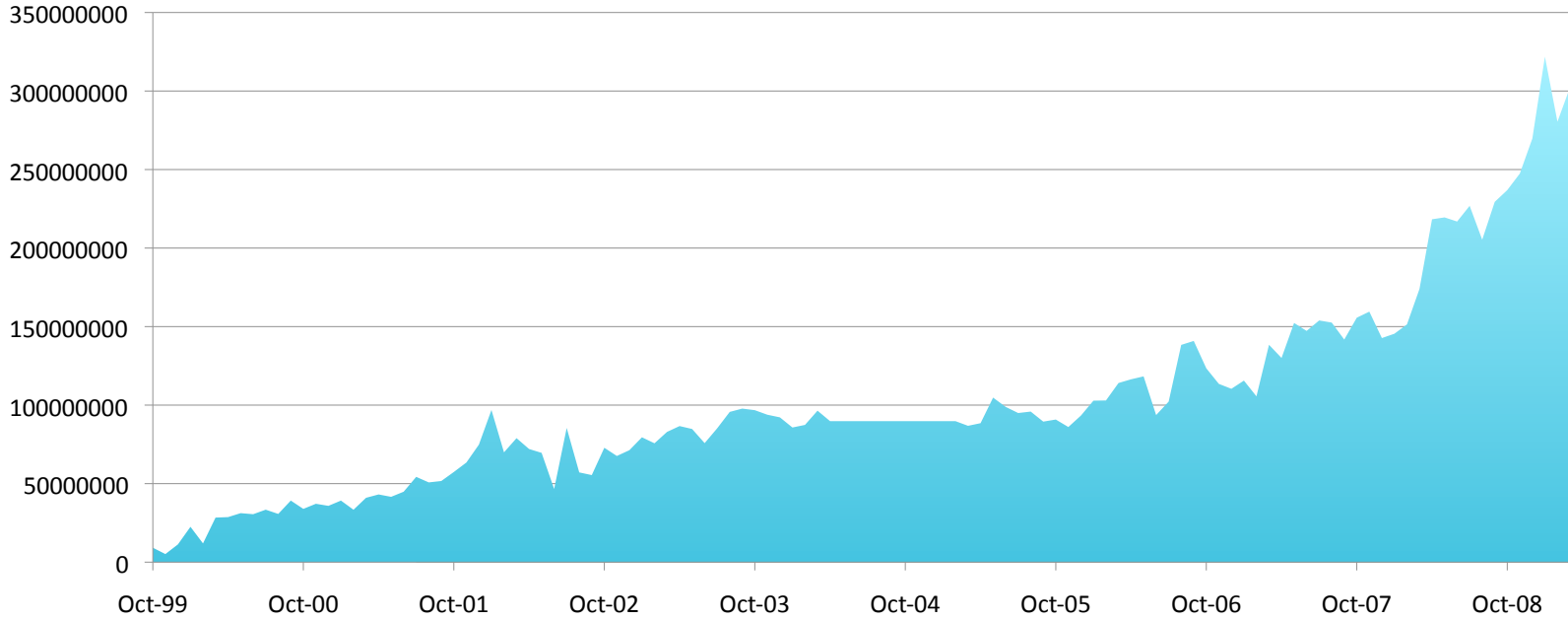
Results 1-2 of 2

IP ADDRESSES

The following IPv4 and IPv6 networks have been issued to this Organization.

NET HANDLE	NETWORK RANGE
NET6-2003-1234-5678-1	2003:1234:5678::/47
NET-10-10-0-0-1	10.10.0.0/16

WHOIS



RPKI Pilot

Firefox File Edit View History Bookmarks Tools Window Help

Resource Certification

http://rpki-pilot.arin.net:8080/cas/login?service=http%3A%2F%2Frpki-pilot.arin.net%3A8080%2Fcertification%2Fprotected%2Fwe

Most Visited Getting Started Latest Headlines Apple Amazon eBay Yahoo! News Safari Bookshelf Send

ARIN
American Registry for Internet Numbers

Username:

Password:

Login

RESOURCE CERTIFICATION

Certification of Internet Number Resources

If you don't have a log in and want to take part in this beta test, click [here](#).

Over the next few years, the Internet landscape is likely to change significantly. Issues such as IPv4 depletion, the possibility of a growing demand for resource transfers and an increasing potential for conflicts over address space all need to be addressed if the Internet is to continue to operate effectively. Enhanced registry activities, such as certification, will enable the ARIN to ensure its registration services meet the changing demands of ARIN members.

The aim of the ARIN certification project is to design, test, and implement a reliable mechanism for establishing the association between Internet number resources (IPv4 and IPv6 address blocks, AS Numbers) and the holders of these resources (RIRs, ISPs and end entities).

Currently, the beta software provides a web-based portal that:

- Enables ARIN members to request certificates for their IPv4 and IPv6 Provider Aggregatable (PA) resources
- Enables ARIN members to manage Route Origin Authorisations (ROAs) for their PA address space
- Provides a public repository of certificates and ROAs
- Handles key rollovers and revocations

Done

192.149.252.78

DNSSEC

- Signing zones that ARIN is authoritative for:

24.in-addr.arpa

....

216.in-addr.arpa

- Two phase rollout
 - Phase 1: Signing the zones
 - Phase 2: Inclusion of DS Provisioning – estimate Q1 of 2010
- Specifics here
 - https://www.arin.net/about_us/dnssec/

Recent Policy Discussions

Under Discussion

1. Directory Services – data accuracy
2. IPv6 for Community Networks
3. Global IANA to RIR IPv4 Policy
4. Transfers
5. IPv6 Multiple Discrete Networks
6. Extend 16 bit ASN Assignments
7. IPv4 Example Shortages

Broad Participation = Good Number Resource Policy

- Subscribe to **Public Policy mailing list**: read and post your opinions
- Have an idea – Submit a proposal!
- ARIN members -
 - **Verify that your organization has an eligible voter on record** (through ARIN Online Q&A or info@arin.net)
 - **Nominate candidates** to fill seats on the Board of Trustees, Advisory Council, and NRO Number Council
 - **VOTE!**

Join us for ARIN XXIV

Register beginning 13 July
\$100 or free to members



Attend your first ARIN meeting for free!
Application period: 21 July-28 August

<https://www.arin.net/participate/meetings/ARIN-XXIV/>
<https://www.arin.net/participate/meetings/fellowship.html>