

Mission Statement

Applying the principles of stewardship, ARIN, a nonprofit corporation, allocates Internet Protocol resources; develops consensus-based policies; and facilitates the advancement of the Internet through information and educational outreach

Get Ready for ARIN X!

The North American Network Operators' Group (NANOG) and the American Registry for Internet Numbers (ARIN) are providing a unique opportunity for you to attend both their fall meetings over the course of one week in Eugene, Oregon. The **NANOG 26** meeting will be held Sunday, Oct. 27 through Tuesday, Oct. 29 and the **ARIN X** meeting will be held Wednesday, Oct. 30 through Friday, Nov. 1.



Meeting details for ARIN X and registration for both meetings is available from the [ARIN X](#) page on our website. As rooms are limited, you are encouraged to make your reservations early.

Your participation in the meeting is important and ARIN invites network operators from NANOG to stay over and join in the public policy discussions. Many policy discussions are now taking place on ARIN's Public Policy Mailing List. This is an [open subscription list](#). More information about the specific policy proposals under consideration can be found on page 7.

A computer-based version of the "On The Road" Database and Template conversion training will be available in the ARIN Learning Center for attendees.

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Database and Template Conversion Completed!

ARIN has successfully completed the conversion of its database schema and has released the new templates to be used for IP and ASN requests.

As a means of encouraging subscribers to participate in database cleanup, transfer fees for IP addresses and AS Numbers have been waived for the period extending from July 1, 2002 to December 31, 2002. More information about this can be found at :

http://www.arin.net/announcements/07022002_transfer.html.

ARIN's website has also been updated to include the new templates and new guidelines that address how to use these templates. As some URLs will have changed because of the conversion, please be sure to update any bookmarks you have to our site.

ARIN went on the road this summer providing conversion training in Vienna, VA, Dallas, TX, Marina del Rey, CA, and Toronto, Ontario.



New Release of WHOIS made in conjunction with database and template conversion. For help with WHOIS queries, please be sure to check out our [WHOIS Help page](#), or flip to page 5 for more information about WHOIS queries.

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today
@ARIN

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September
2002

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Internet Community Calendar

- ICANN**, October 27-31, Shanghai, China
NANOG 26, October 27-29, Eugene, Oregon, US
ARIN X, October 30- November 1, Eugene, Oregon, US
LACNIC III, November 12- 13, Mexico City, Mexico
IETF 55, November 17-22, Atlanta, Georgia, US
RIPE 44, January 27-31 2003, Amsterdam, the Netherlands
APNIC 15/ APRICOT 2003 , February 24-28 2003, Taipei, Taiwan

Internet Community Meeting Reports

IETF 54 **July 14 -19, Yokohama, Japan**

In addition to attending the regular DNSOP, DNSExt, and IPv6 working groups, ARIN staff was present at the IEPG meeting on July 14 and participated in a joint status presentation by the RIRs.

Additional information is available at:

<http://www.ietf.org/meetings/meetings.html>

AfriNIC **August 5-9, Nairobi, Kenya**

The AfriNIC meeting was held at the Safari Park Hotel in Nairobi, Kenya. The AfriNIC meeting was held on the second day of the East African Internet Forum meeting. The meeting focused on AfriNICs emerging role and how it will stimulate development. The morning included presentations from all of the existing Regional Registries; RIPE NCC, ARIN, APNIC, and LACNIC. In the afternoon there were reports from the Board Of Trustees on how far the process of being approved as a registry has gone and what the future plans are for AfriNIC. ARIN's President, Ray Plzak presented an update on ARIN, including a NANOG 26 / ARIN X announcement and organizational news.

APNIC 14 **September 3-6, Kitakyushu, Japan**

Several members of the ARIN staff attended and participated in the 14th APNIC Open Policy Meeting in Kitakyushu, Japan from 3 to 6 September 2002.

The first day of the meetings consisted entirely of tutorials on such topics as DNSSEC, Building IXes, IPv6, and Multihoming, as well as a condensed version of the APNIC training course. The second and third days were reserved for various SIGs (Special Interest Groups), the NIR (National Internet Registry) meeting, and the ASO (Address Support Organization) meeting, in which Takashi Arano was re-elected to a second term as an ASO AC representative from the AP region.

Many key policy issues were discussed during the Address Policy SIG, which resulted in several new policies, as well as a revised policy being voted on and accepted by the AP community. In addition, a discussion on ICANN Reform was held on Thursday in which the joint RIR statement was presented to the audience. This informal Q&A session invited discussion and feedback on the Joint RIR response to the ICANN Reform proposal.

The APNIC Member meeting took place on Friday and contained a very full agenda. In addition to the reports from the APNIC staff, the Executive Council (EC), and the RIRs and emerging RIRs, much time was devoted to reports from the SIGs, and to finalizing the newly formed policies before their adoption.

Details of the meeting can be found at:

<http://www.apnic.net/meetings/index.html>.

RIPE 43 **September 9 -13, Rhodes, Greece**

RIPE 43 covered a wide variety of issues. The RIPE NCC gave a report on the status of their registration services and noted the queue time for responding to resource requests is down to a few days.

Ray Plzak, President and CEO of ARIN, presented information about ARIN, including organizational news and an announcement about the upcoming joint meetings of NANOG and ARIN. In addition, Ray presented information about the progress of AfriNIC, an emerging RIR.

The RIPE NCC discussed progress with the Early Registration Transfer (ERX) project and solicited feedback from the community on moving forward. The community commended the RIPE NCC in the transfer of AS Number records from ARIN to RIPE NCC and asked that they move slowly and deliberately in completing the transfer in regard to IP address block registrations.

Wilfried Woeber was re-elected for a three year term to the ICANN Address Supporting Organization Address Council by the RIPE community.

Further details can be found at:

<http://www.ripe.net/ripe/meetings/current/ripe-43/>

ARIN/LACNIC Transition Update

Since November 2001, ARIN has been working very closely with LACNIC (The Latin American and Caribbean IP Address Regional Registry) to prepare for its eventual emergence as a new Regional Internet Registry. As part of this transition process, ARIN and LACNIC have been conducting joint review of all IP and AS number requests coming from the emerging LACNIC region.

As of July 27, to begin the next step of the transition process, all IP and AS number requests from the LACNIC region are to be submitted directly to LACNIC using LACNIC templates. These requests will continue to be reviewed under the current ARIN policies. The request process will also continue to include coordination between the LACNIC and ARIN registration staffs to ensure consistency. Also on July 27, registrations with postal addresses inside the emerging LACNIC region started being documented in the LACNIC WHOIS database. Starting September 2, LACNIC has begun invoicing its customers.

The list of countries that make up the emerging LACNIC region can be found at: <http://lacnic.net/en/list.html>. More information about LACNIC is available at: <http://www.lacnic.net>.

Joint NANOG / ARIN Meetings

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And, as always, ARIN IP Analysts will be available to answer your questions at the Registration Services Help Desk throughout the week. Please see the ARIN X meeting web page for information on these and other activities.



The University of Oregon and Sprint are generously sponsoring the network and terminal room needs through both meetings. In addition, Preferred Communications Inc. NW is sponsoring the ARIN breakfast on Thursday.

There are still opportunities available for your organization to highlight its commitment to ARIN and the Internet community through sponsorship of an event in Eugene.

To find out how you can sponsor a meal or the social on Halloween night, please contact Bernadette Mimna, Event Coordinator, at memsvcs@arin.net or reply via the [website form](#).



2002 ARIN Elections

On July 29, an open call was issued for ARIN members to nominate candidates for two (2) seats on the Board of Trustees and six (6) seats on the Advisory Council. All terms begin January 1, 2003. The Board seats opening are those currently held by David Conrad and the seat recently vacated by Scott Marcus. Five of the seats open on the Advisory Council are open because of term expirations. They are currently held by Bill Darte, Mark Kusters, Alec Peterson, Lea Roberts, and John Sweeting. Individuals may be re-elected to both the Board and Council.

The sixth seat up for election on the Advisory Council is open due to the resignation of Jeremy Porter, and will be filled by the recipient of the most votes, after the five open full-term seats have been filled. The term of this sixth seat will be for one year, as that was the time remaining in Jeremy Porter's term.

Information about the election process for both ARIN's Board of Trustees and Advisory Council is available at: <http://www.arin.net/elections/index.html>.

Also available on that page are links to general information about both the Board and the Council. Nominations for these positions closed on September 30th.

The timeline for the remainder of the election process is as follows:

September 30, 2002 (23:59 EDT)

Call for nominations closes.

October 10, 2002

Nominees for the Advisory Council and the Board of Trustees will be announced on ARIN's web site along with their biographical information. The final list of nominees will also be sent by e-mail to each ARIN member representative.

Verify Voting Eligibility

Each ARIN member organization is entitled to designate one member representative to cast its one vote in ARIN elections for the Board of Trustees and Advisory Council. In order to participate in the election, ARIN must have the individual's name and a corresponding personalized e-mail address in its membership database. This is the **only** individual eligible to vote for your organization so please check with Member Services, via e-mail to memsvcs@arin.net by October 15, to guarantee that current information is on file.

This same member representative may vote online in the ASO AC election. However, all attendees* at NANOG's Tuesday, October 29 session or at the first day of ARIN's Public Policy meeting on Wednesday, October 30 may vote in the ASO AC election at a specified on-site voting "booth".

** Staff of the Regional Internet Registries are not eligible to participate in the election.*

November 1, 2002

At the members meeting to be held in Eugene, Oregon, the BOT and AC nominees will be given the opportunity to briefly present their qualifications to the general membership.

November 4, 2002 (09:00 EST)

Elections open via online balloting on the ARIN website.

November 11, 2002 (09:00 EST)

Elections close.

November 15, 2002

ARIN President announces election results.

ASO AC Election

Also this fall, ARIN will be holding an election to fill one seat on the Address Supporting Organization Address Council (ASO AC). This seat is being filled because of the expiration of Cathy Wittbrodt's term. Information about this election can be found on the URL mentioned above, including a link to general information about the ASO AC or you can visit [http://](http://aso.icann.org)

aso.icann.org.

The nomination period for this election closed September 30th as well. The timeline for the remainder of this election is as follows:

September 30, 2002 (23:59 EDT)

Deadline for submission of nominations

October 10, 2002

Website posting of all confirmed nominees

October 23, 2002 (09:00 EST)

Online voting available for eligible ARIN members.

October 29 and 30, 2002

On-site voting available at specified times for all attendees of the NANOG and ARIN meetings. Only RIR staff and those ARIN members who previously voted online are ineligible to vote.

October 30, 2002 (17:00 EST)

Online voting booth closes

October 31, 2002

The winner of the election will be announced during the ARIN X Public Policy meeting.

**Proposal for Transfer of 6bone
Address Management
Responsibilities to RIRs**

It has been proposed that the management of the 6bone 3FFE::/16 address space be transferred to the Regional Internet Registries (RIRs). More information about the 6bone can be obtained at <http://www.6bone.net/>.

At a recent 6bone meeting, Bob Fink made a proposal for this management transfer. A copy of the presentation slides are available at <http://www.6bone.net/ngtrans/minutes/default.htm>. These presentation slides were based on the text, "Policies for transfer of 6bone address management responsibilities to RIRs," provided through the link to our website below.

Please send your comments about this proposal to the ARIN public policy mailing list (ppml@arin.net). The 6bone will be conducting a similar review within their community and we will do our best to correlate and summarize the collective responses, issues, and concerns, made in regard to this proposal. This review process will end on December 31, 2002.

The text of the proposal can be found at: <http://www.arin.net/announcements/08202002.html>

New WHOIS Information

ARIN's WHOIS service provides a mechanism for finding contact and registration information for resources registered with ARIN. ARIN's database contains IP addresses, autonomous system (AS) numbers, organizations or customers that are associated with these resources, and related Points of Contact (POC).

ARIN's WHOIS will NOT locate any domain-related information, or any information relating to military networks. Please use whois.internic.net to locate domain information, and whois.nic.mil for military network information.

Many operating systems provide a WHOIS utility. To conduct a query from the command line, the format is:

`whois -h hostname identifier`

For example:

`whois -h whois.arin.net <query string>`

To obtain a more specific response, you may conduct a search by using certain flags. Many of these flags can be combined to indicate the desired output. Flags must be separated from each other and from the search term by a space. Your results will vary depending on the refinements you apply in your search.

The [WHOIS Help page \(http://www.arin.net/tools/whois_help.html\)](http://www.arin.net/tools/whois_help.html) lists the specific flags currently available; you may only use one flag from each flag-type in a query (i.e. one record type, one attribute, etc.).

Wild card queries:

WHOIS supports wild card queries. This feature is only supported as a trailing character option. To take advantage of this append the query with an asterisk (*). This can also be used in combination with any flags defined above.

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Other helpful hints:

To guarantee matching only a single record, look it up by its handle using a handle-only search. In the record summary line, the handle is shown in parenthesis after the name.

When using a handle to conduct a search for POC information, be sure to add the -ARIN extension.

Queries that return more than 256 results will stop displaying data after the 256th result. You may want to narrow your search criteria or add flags to your query to limit the results.

To search on an individual's name, you may enter the last name, or to further restrict results, use the last name and first name, separated by a comma. For example: Smith, John.

Board of Trustee Actions

In the past quarter, the ARIN Board of Trustees met on July 9, 2002 in Reston, Virginia. Actions of the Board included:

- Ratification of Policy 2001-4 (see below)
- Discussed a proposed Privacy Statement for the ARIN website.
- Discussed an amendment to the ARIN Bylaws regarding Conflicts of Interest
- Approved documentation of the processes of election to the Board and the Advisory Council
- Approved a definition of an ARIN member
- Approved a temporary waiver of fees for initial allocations of IPv6 address space

The complete minutes can be found at:
<http://www.arin.net/library/minutes/bot/bot07092002.html>

Policy 2001-4: "Modification to the IPv6 Allocation Policies" Ratified

The following new policy has been ratified in the ARIN region and was implemented on August 1, 2002:

Policy summary:

The three RIRs have compiled the "IPv6 Address Allocation and Assignment Policy" document dated June 26, 2002, using feedback received from the RIR communities since the publishing of the provisional IPv6 document in 1999. In the interest of maintaining IPv6 policies that are global in scope, ARIN accepts the document with language on initial allocations as amended following the APNIC 13 and ARIN IX Public Policy Meetings.

The full text of the "IPv6 Address Allocation and Assignment Policy" document can be found at http://www.arin.net/policy/ipv6_policy.html. This new policy text and accompanying request templates were posted on the ARIN website on August 1, 2002.

This policy replaces ARIN's former IPv6 allocation policies and was created in accordance with ARIN's [Internet Resource Policy Evaluation Process](#).

Policy 2001-3: "Micro-allocation Policy" Ratified

A new micro-allocation policy was ratified in the ARIN region by the Board of Trustees on June 5, 2002.

Policy summary:

ARIN will make micro-allocations to critical infrastructure providers of the Internet, including public exchange points, core DNS service providers (e.g. ICANN-sanctioned root, gTLD, and ccTLD operators) as well as the RIRs and IANA. These allocations will be no longer than a /24 using IPv4 or a /48 using IPv6. Multiple allocations may be granted in certain situations.

The full text of the policy can be viewed here: http://www.arin.net/policy/2001_3.html. This new policy text and accompanying website changes were posted on the ARIN website on July 2, 2002.

This policy replaces ARIN's previous Micro-Allocation policy, and was created in accordance with ARIN's [Internet Resource Policy Evaluation Process](#).

Policy Proposals for Discussion at ARIN X

A number of policy proposals have been introduced for discussion on the Public Policy Mailing List and at ARIN X this October.

ARIN's Internet Resource Policy Evaluation Process specifies that policy proposals must be posted to the ARIN mailing lists at least 30 days prior to an ARIN meeting where they will be discussed. Information about ARIN's Internet Resource Policy Evaluation Process can be found at : <http://www.arin.net/policy/ipep.html>.

ARIN staff has received policy proposals to be discussed at the upcoming Public Policy Meeting from a variety of sources. The progress of each policy proposal will be tracked and documented on the ARIN Policy Proposal Archive page.

The entire Internet community is invited and encouraged to participate in these policy discussions. Your active participation in these discussions will help to form policies that are beneficial to all.

Below is a list of the policy proposals with links to each proposals page on our site:

2002-1 Lame Delegations in IN-ADDR.ARPA
http://www.arin.net/policy/2002_1.html

2002-2 Experimental Resource Allocations
http://www.arin.net/policy/2002_2.html

2002-3 Micro-assignments for Multihomed Networks
http://www.arin.net/policy/2002_3.html

2002-4: Bulk Copies of ARIN's WHOIS
http://www.arin.net/policy/2002_4.html

2002-5: Amnesty Requests
http://www.arin.net/policy/2002_5.html

2002-6: Aggregation Requests
http://www.arin.net/policy/2002_6.html

2002-7: Micro-Assignments for Multihomed Organizations
http://www.arin.net/policy/2002_7.html

2002-8: Privatizing POC Information
http://www.arin.net/policy/2002_8.html

2002-9: To allow Micro-Assignments for End-user Organizations
http://www.arin.net/policy/2002_9.html

Last Issue's Brain Teaser

Answers from last issue's brain teasers:

Breaking in the new guy: The diameter of the circular office building is not important. When they meet during the race, the young network tech had gone 1/6 of the way, while the grizzled network engineer had traveled 17/24 of the way. The engineer had therefore been moving 4.25 times as fast as the tech. The tech has 5/6 of the distance yet to go, as compared to the engineer having to travel only 1/6 the distance. So the network tech would have to travel 5 times faster than the network engineer, or 21.25 times faster than he went before.

Running it up the flagpole: As the marketing executive climbs, the weight will rise the same amount.

Short Takes:

- 1) Each may be preceded by "SECOND" to form a common phrase
- 2) UNDERGROUND
- 3) Seven

Advisory Council Seat Vacated

Jeremy Porter resigned from the ARIN Advisory Council effective 5 PM EDT, Monday, August 12, 2002. Jeremy had been a member of the Advisory Council since its inception in 1998. He will be greatly missed. We wish him all the best.

As Jeremy's term would have expired at the end of 2003, an additional seat on the Advisory Council is now open in the current election. Thus, the candidate receiving the sixth greatest number of votes in this fall's election will serve out the final year of Jeremy's term.

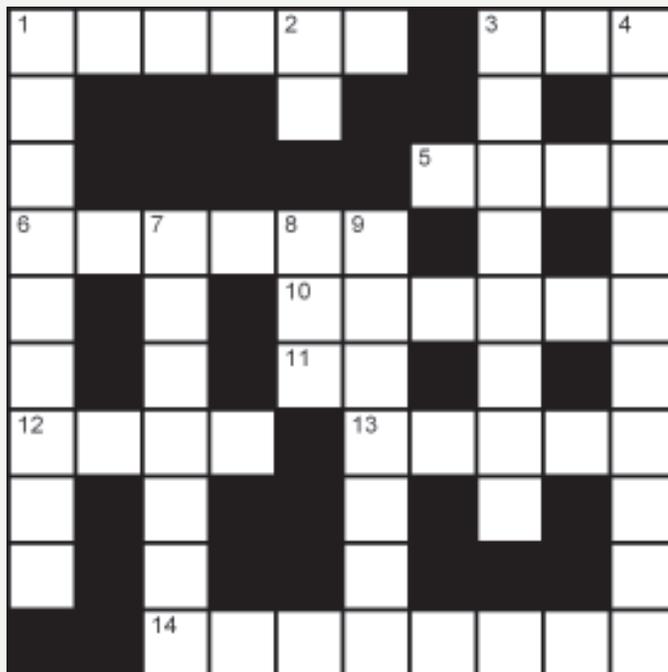
Crossword

Across

1. Actor Levy
3. What you won't get at NANOG 26 / ARIN X
5. Something to seize, in Latin
6. Run
10. 33rd state
11. government issue, abbr.
12. Supplier to cartoon coyote
13. Binary method used to notate IP addresses in IPv4
14. _____ distribution

Down

1. Danger of monitor overuse
2. Sodium for short
3. Type of party held this time of year
4. The act of proposing someone for an office
7. To move between networks
8. Drink made with beaten eggs
9. Plural of one more than a diode



ARIN Today, a quarterly newsletter, is produced for the ARIN membership and the Internet community. Articles and contributions dealing with IP-address issues and technology are welcome from all sources.

Each issue is filled with news highlights, descriptions of what happened at various meetings, updates on policy, and information about training and other services ARIN provides its members. Technology news and interesting applications are also covered.

So if you have an idea about an article you'd like to submit, or something you'd like to see, please contact the editor at arintoday@arin.net.



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