



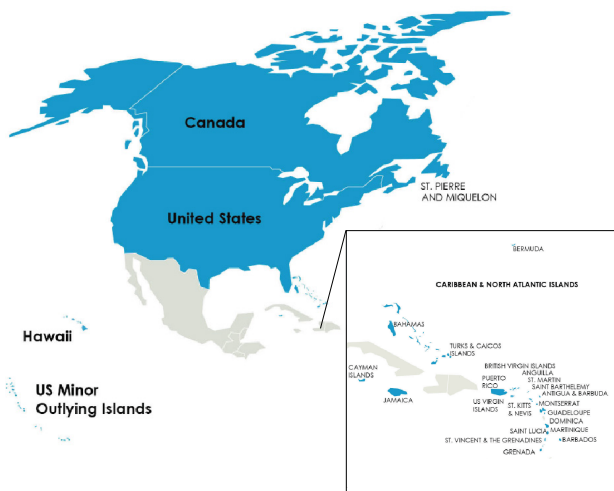
op·ti·mize
verb
past tense: optimized
past participle: optimized

“To make as effective, perfect, or useful as possible.”

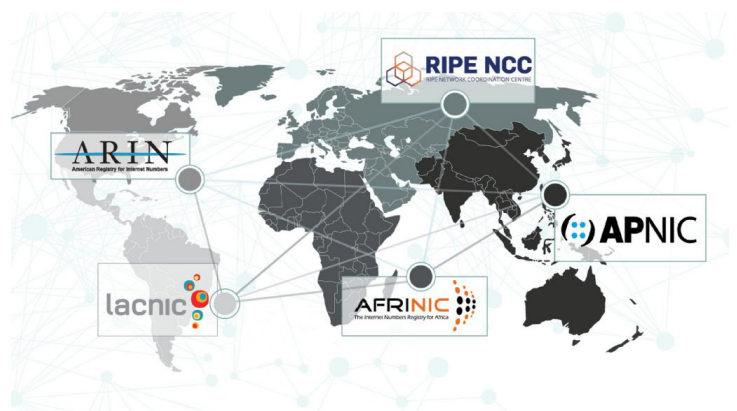
Thank you for joining us at ARIN Optimized! This virtual event is specifically tailored to you – our new ARIN customer. We hope you will learn a few new things today about ARIN services and activities. Most importantly, we want to answer your questions and provide ample time to hear your feedback and ideas on how we can better meet your needs.

Who We Are

The American Registry for Internet Numbers (ARIN) was founded in December 1997 and is the non-profit, member-based organization that manages and distributes Internet number resources throughout its service region of Canada, the United States, and many Caribbean and North Atlantic islands. As of 23 November 2020, we serve 38,943 total customer organizations, including 6,832 member organizations.



RIRs Around the World



Mission Statement

ARIN supports the operation of the Internet through the management of Internet number resources within its service region; coordinates the development of policies by the community for the management of Internet Protocol number resources; and advances the Internet through informational outreach.

What We Do

Manage:

- IP address allocations and assignments
- Autonomous System Numbers (ASN) Assignments
- Transfers
- Reverse DNS
- Directory service
 - Whois
 - IRR
 - WhoWas

Coordinate and administer:

- Policy Development
 - Community meetings
 - Discussion
 - Publication
 - Implementation
- Elections
- Community outreach
- Education and training

Develop technologies for managing Internet number resources:

- ARIN Online
- Community Software Project Repository
- DNS Security (DNSSEC)
- Resource Certification (RPKI)
- Whois RESTful Web Services (Whois-RWS)
- Registry Data Access Protocol (RDAP)
- Registration RESTful Web Service (Reg-RWS)

Expert Panelists Leading Our Discussion



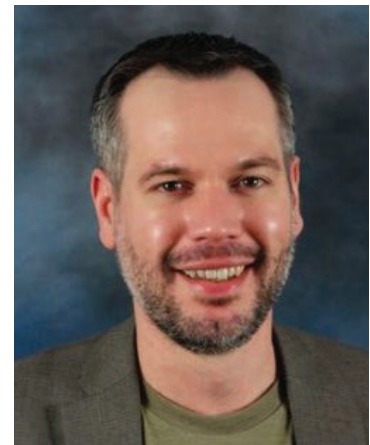
Hollis Kara

ARIN's Director of Communications



John Sweeting

ARIN's Chief Customer Officer



Jon Worley

ARIN's Senior Technology Architect

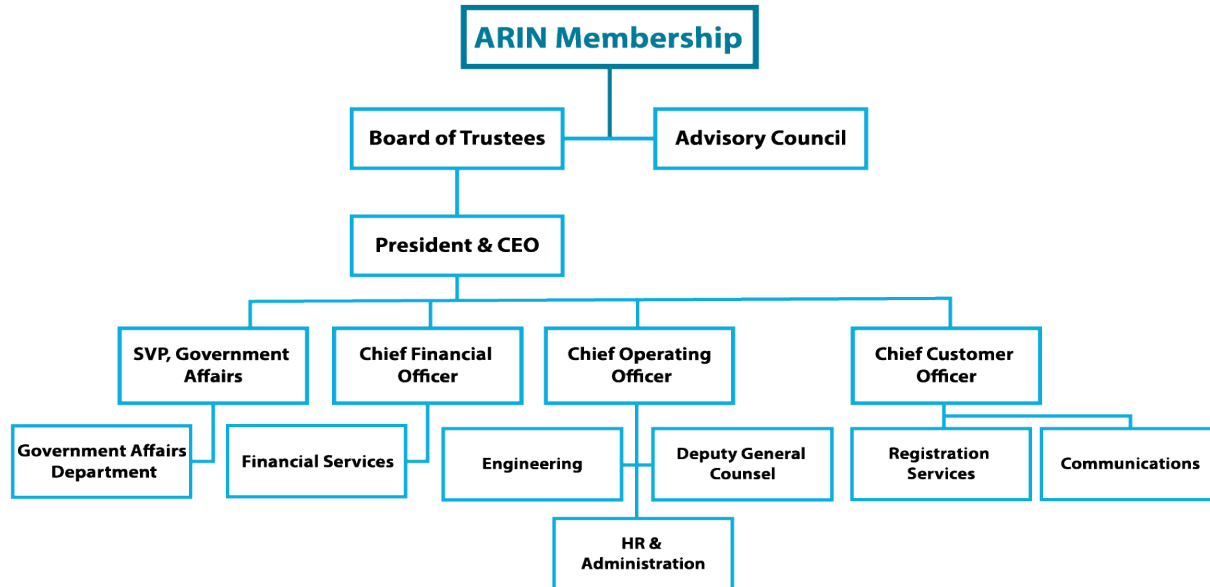
Governance and Leadership at ARIN

ARIN consists of the Internet community within its region, its members, a seven-member Board of Trustees, a 15-member Advisory Council, and a professional staff of 75+.

ARIN Staff - <https://www.arin.net/staff>

SPOTLIGHT STORIES

Visit [TeamARIN.net](https://www.teamarin.net) to read more about the ARIN Community



Board of Trustees - <https://www.arin.net/board>

The Board of Trustees, elected by the ARIN membership, establishes and maintains authority over ARIN's scope, mission, and strategic and fiscal direction. The Board also oversees committee nominations, appointments, elections, and votes on community-developed draft policies in accordance with the Policy Development Process (PDP).

Advisory Council - <https://www.arin.net/ac>

Elected by the ARIN membership, the Advisory Council (AC) advises the Board of Trustees on Internet number resource policy and related matters and forwards Recommended Draft Policies to the Board for ratification, in adherence with the Policy Development Process (PDP).

Committees & Working Groups - <https://www.arin.net/about/welcome/board/committees/>

Consider being an important part of the ARIN community by participating in one of these committees or working groups! Other opportunities may also arise in the future.

- *Mailing List Acceptable Use Policy Committee*
- *Nomination Committee*
- *Fellowship Selection Committee*
- *Grant Selection Committee*

IPv6 and You

With four billion connected devices worldwide, companies and consumers are leveraging online channels for content, commerce, and communication like never before. Internet Protocol version 6 (IPv6) was developed to be a successor to the now-depleted IPv4. ARIN encourages you to deploy IPv6 and connect to the whole Internet, not just the old Internet.

Make Your First IPv6 Request

- Learn more about IPv6 - <https://www.arin.net/ipv6>
- Make your first IPv6 request - https://www.arin.net/resources/guide/ipv6/first_request/
- The latest buzz on IPv6 and Forward Thinkers - <http://teamarin.net/get6>
- Deployment case studies on TeamARIN - <https://teamarin.net/get6/ipv6-case-studies>

IPv4 Addressing Options

Since ARIN's free pool of IPv4 address space was depleted in September 2015, organizations with a justified need for IPv4 addresses have several options for securing IPv4 address space:

- Acquire IPv4 addresses through the transfer process
- Request a spot on ARIN's IPv4 Waiting List
- Request IPv4 addresses from pools reserved specifically for Micro-allocations (NRPM 4.4) or Dedicated IPv4 block to facilitate IPv6 Deployment (NRPM 4.10)

IPv4 Waiting List

The IPv4 Waiting List is one of several ways an organization may request IPv4 addresses from ARIN. Other available options are to transfer resources or request IPv4 addresses from pools reserved specifically for micro-allocations or the dedicated IPv4 block to facilitate IPv6 deployment. The last Waiting List distribution was completed Wednesday, 30 September 2020. The next distribution will occur on or about Wednesday, 30 December 2020.

Learn more about the IPv4 Waiting List - https://www.arin.net/resources/guide/ipv4/waiting_list/

Learn more about transfers - <https://www.arin.net/transfers>

Transition Reserve Policy

ARIN has a dedicated IPv4 block to facilitate IPv6 deployment. That allows organizations that have obtained an IPv6 block the ability to request an IPv4 / 24 as frequently as once every six months for IPv6 transition use, such as dual-stacking key servers and translation pools.

Read more about the dedicated IPv4 block here – <https://www.arin.net/participate/policy/nrpm/#4-10-dedicated-ipv4-block-to-facilitate-ipv6-deployment>

Read more about requesting an IPv6 block here – https://www.arin.net/resources/guide/ipv6/first_request/

Once you have your IPv6 block, make sure to mark your application for the 4.10 IPv6 transition reserve. Read more about it here – <https://www.arin.net/resources/guide/ipv4/>

Your ARIN Toolbox – Making the most of your ARIN Online Account

1. Secure your account with Two-Factor Authentication

Two-factor authentication (2FA) is a means of identifying a user through two separate pieces of information or identification. For ARIN Online, these two pieces are your account password and a one-time password generated using a third-party mobile authenticator. By combining proofs of identity that an unauthorized user is unlikely to possess, two-factor authentication provides an increased level of security for ARIN Online users.

Learn more about two-factor authentication here - <https://www.arin.net/reference/materials/security/twofactor/>

2. Explore all the tools and services available to you

a. **RPKI** - Resource Public Key Infrastructure (RPKI) is an opt-in service at ARIN that provides security for Internet routing. You can use ARIN's RPKI system in two ways:

- Using ARIN's RPKI Repository for Routing
- Providing Certification for Your ARIN Resources
- Learn more about RPKI here - <https://www.arin.net/resources/manage/rpki/>

b. **IRR** - ARIN's Internet Routing Registry (IRR) provides routing information for service providers and others to use in making networking decisions. ARIN updated its IRR in June of 2020 to provide a way to manage IRR records in ARIN Online and to provide Near Real-Time Mirroring (NRTM) streams.

Learn more about IRR here - <https://www.arin.net/resources/manage/irr/>

3. Automating interactions

a. **Integrating with ARIN Online** - ARIN has a Reg-RWS API available to automate your interactions, such as managing reassignment information or updating reverse DNS delegations.

Learn more about Reg-RWS here - <https://www.arin.net/resources/manage/regrws/>

b. **Operational Test and Evaluation (OT&E)** - The OT&E environment allows developers to experiment with ARIN interactions without affecting production data. OT&E allows for experimentation with these ARIN services: Whois RESTful Web Service (Whois-RWS), Registration RESTful Web Service (Reg-RWS), Resource Public Key Infrastructure (RPKI) and Registration Data Access Protocol (RDAP).

Learn more about OT&E here - <https://www.arin.net/reference/tools/testing/>

Who You Gonna Call?

<https://www.arin.net/contact/>

John Sweeting is the Chief Customer Officer who oversees ARIN Elections, the Policy Development Process, and all aspects of customer excellence across ARIN's service departments. The Office of the CCO develops and maintains key client relationships.

Ready to request resources?

Get started today: https://www.arin.net/request_resources

ARIN's Help Desk:

Call: +1-703-227-0660, 7:00 AM - 7:00 PM ET

Chat: via ARIN Online, 10:00 AM – 4:00 PM ET

Monday-Friday

Tips for calling the help desk: <https://www.arin.net/helpdesk>

Have a question about your account, resources, or anything else ARIN related?

When logged in to ARIN Online, select "Ask ARIN" in the navigation menu to submit a ticketed request.

Need help with billing?

Call: +1-703-227-8708

Monday-Friday, 9:00 AM - 5:00 PM ET

Report Service Issues

Services issues and outages can be reported directly to Registration Services during our regular operating hours. Outside operating hours, issues can be reported through the Feedback button on this page or via the "Report Service Issue" link in the footer of every page on the website.

Feedback Channels

Customer Satisfaction Survey and Regular Transaction Surveys - <https://www.arin.net/customersurvey>

ARIN's goal is to provide the best Internet number registry experience possible. To help better understand the needs of our customers and gauge how we're doing, we conduct a large-scale customer satisfaction survey periodically. ARIN's Registration Services Department also conducts regular transaction surveys.

ARIN Consultation & Suggestion Process (ACSP) - <https://www.arin.net/acsp>

This process provides an organized and transparent method for ARIN to accept community feedback and gauge consensus regarding non-policy related issues. Submit a suggestion regarding existing or potential ARIN services or practices. Join the discussions on the Consultation mailing list and participate in the polls when requested by ARIN.

Account Manager

New here? [Create a user account](#)

Username [Forgot username?](#)

Password [Forgot password?](#)

Username and Password are case sensitive.

Please log in first.

[Log In](#)

[About Account Manager](#)

[Lost access to your authenticator?](#)

Subscribe to ARIN Mailing Lists

https://www.arin.net/mailing_lists

ARIN regularly communicates updates and information to its community via its mailing lists. ARIN email lists suit a variety of interests and are a great way to stay informed!

ARIN Announce Mailing List (arin-announce@arin.net)

Read-only list that provides information on issues affecting the community, including elections, meetings, policy updates, training opportunities, and other ARIN events.

Public Policy Mailing List (arin-ppml@arin.net)

Public forum to raise and discuss issues surrounding existing and proposed policies. The PPML is an integral part of ARIN's Policy Development Process. Opinions expressed here are reviewed to determine consensus for a policy proposal.

ARIN Consultation Mailing List (arin-consult@arin.net)

Open list used in conjunction with the ARIN Consultation and Suggestion Process to gather comments. This list is only open when there is a call for comments.

ARIN Issued Mailing List (arin-issued@arin.net)

Read-only list open to the general public. Used by ARIN staff to provide a daily report of addresses returned and addresses issued directly by ARIN or address blocks returned to ARIN's free pool.

ARIN Technical Discussions Mailing List (arin-tech-discuss@arin.net)

Open to the general public. Provided for those interested in providing technical feedback to ARIN on experiences in the use or evaluation of current ARIN services and features in development.

ARIN Suggestions Mailing List (arin-suggestions@arin.net)

Read-only list open to the general public. Used by ARIN staff to provide notification to community of new ACSP suggestions and ARIN responses.

Connecting with the ARIN Community

The success of ARIN as a steward of Internet number resources depends on the participation of people like you. We rely on the community to determine policy and provide direction for the services we provide. We welcome you to this meeting and hope you'll continue to participate. Here are some ways you can stay involved

ARIN Bits - <https://teamarin.net/category/arin-bits/>

ARIN Bits is a quarterly e-newsletter that is distributed to the community to keep everyone in the loop on the latest happenings at ARIN. There are several different "bits" of information in each issue, including the latest policies up for discussion, upcoming events, helpful tips, and ARIN Online updates.

TeamARIN - <https://teamarin.net/>

This is a great information source to help you educate your organization about issues related to IPv6 adoption. You can also find out more about what ARIN is up to as an organization, including what events we have coming up, educational and informational articles, and an archive of ARIN Bits, our quarterly e-newsletter. This is an educational and informational site only; all ARIN business transactions are still conducted using www.arin.net.

Public Policy and Members Meetings - <https://www.arin.net/participate/meetings/>

ARIN Public Policy and Members Meetings are filled with interesting sessions, opportunities to network with your peers in the industry, educational presentations, discussions of important number resource policy issues, and more! They are held in April and October each year throughout the ARIN region.

*** Remote participation is available for every ARIN Public Policy and Members Meeting.*

Elections - www.arin.net/elections

Each October, designated Voting Contacts from ARIN's General Members in Good Standing elect candidates to the ARIN Board of Trustees and Advisory Council to serve staggered three-year terms. The ability to vote and shape the future of the Internet is undoubtedly the most important perk of ARIN Membership.

ARIN Community Grant Program - <https://www.arin.net/grants>

The ARIN Community Grant Program provides financial grants in support of operational and research projects that improve the overall Internet industry and Internet user environment.

Fellowship Program - <https://www.arin.net/fellowship>

The ARIN Fellowship Program offers up to 10 individuals an opportunity to attend an ARIN Public Policy and Members Meeting at no charge. Selected Fellows are also paired with a mentor for an enhanced meeting experience.

Training & Education - <https://www.arin.net/reference/training/>

ARIN offers a free library of resources for the ARIN community. Access on-demand resources to help you utilize our tools and services. Participate in webinars or download handouts to conduct your own educational outreach within your organization. View how-to videos on completing common tasks in ARIN Online.

ARIN Outreach Events - <https://www.arin.net/outreach>

We look forward to resuming our traveling outreach events at some point in 2021. You'll learn more about ARIN services and tools in a casual, informal setting. You'll also have a chance to ask ARIN staff personalized questions about your specific organizational needs.

Get Social

Join others in sharing experiences with IPv6, ARIN meetings, or other related stories and topics by using:



www.twitter.com/TeamARIN



www.linkedin.com/company/ARIN



www.facebook.com/TeamARIN



www.youtube.com/TeamARIN

ARIN's Policy Development Process

Policy development is an open and transparent process. Anyone may submit a proposal to create or modify policy. See <https://www.arin.net/policy> for more information, including the current Number Resource Policy Manual (NRPM) and the documented Policy Development Process (PDP), plus a helpful video on the PDP. Be sure to subscribe to the Public Policy Mailing List (PPML) and join the discussions.

The ARIN Advisory Council shepherd proposals through the PDP and when community consensus is reached, recommends draft policies to the Board of Trustees for adoption and implementation.

*** ARIN membership is not required to participate in our Policy Development Process. Anyone, except ARIN staff, may propose a policy change directly to the community in the form of a policy proposal.*

Thank you for joining us!

For additional comments or questions following this presentation, please email training@arin.net.

