ARIN and the RIR System: Mission, Role and Services

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ARIN Advisory Council Member

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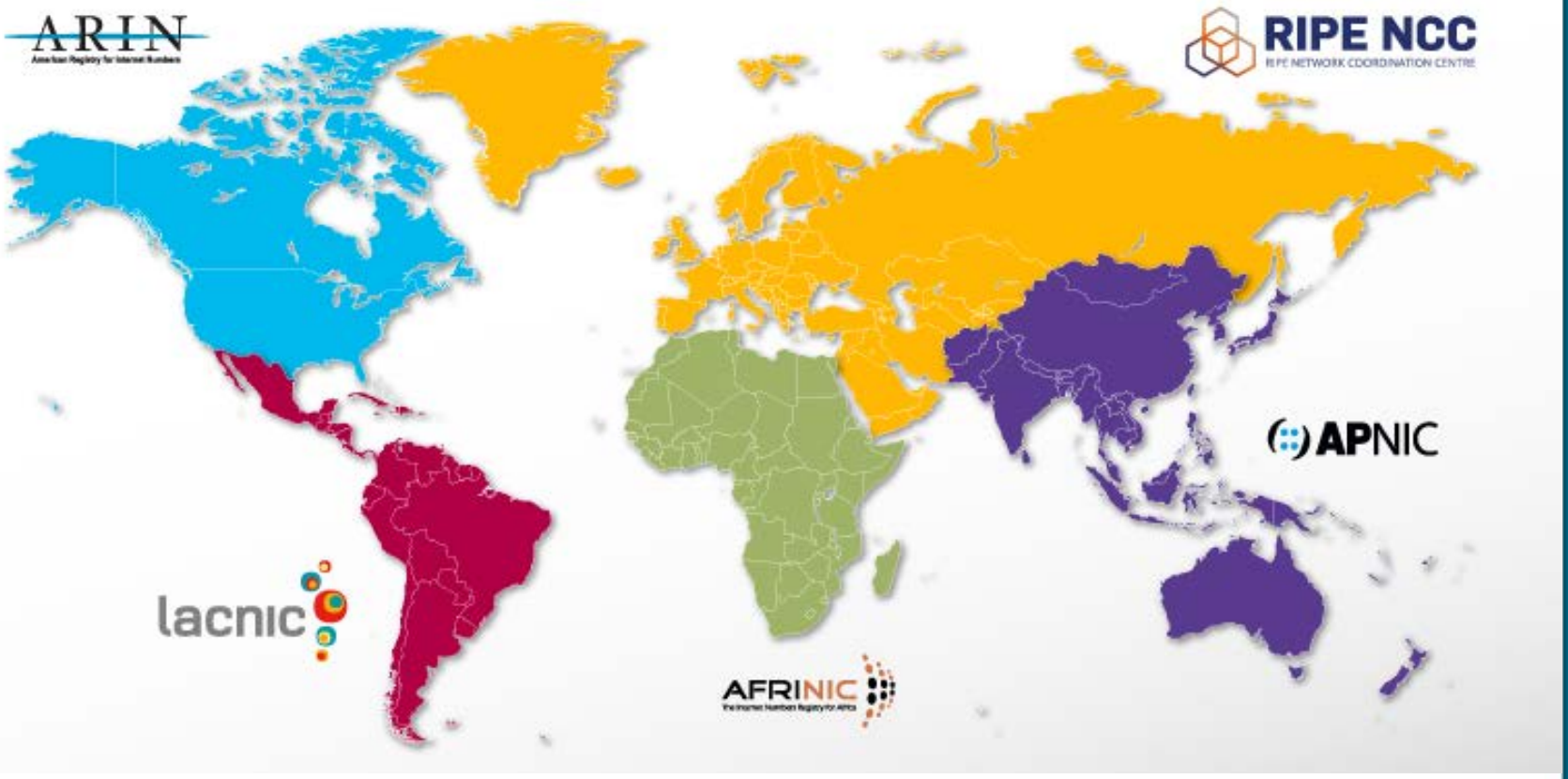
Regional Internet Registries



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What do the RIRs do?

- Manage the distribution of IP addresses and Autonomous System numbers (ASNs)
- Provide reverse DNS and a public Whois database
- Support Internet infrastructure through technical coordination

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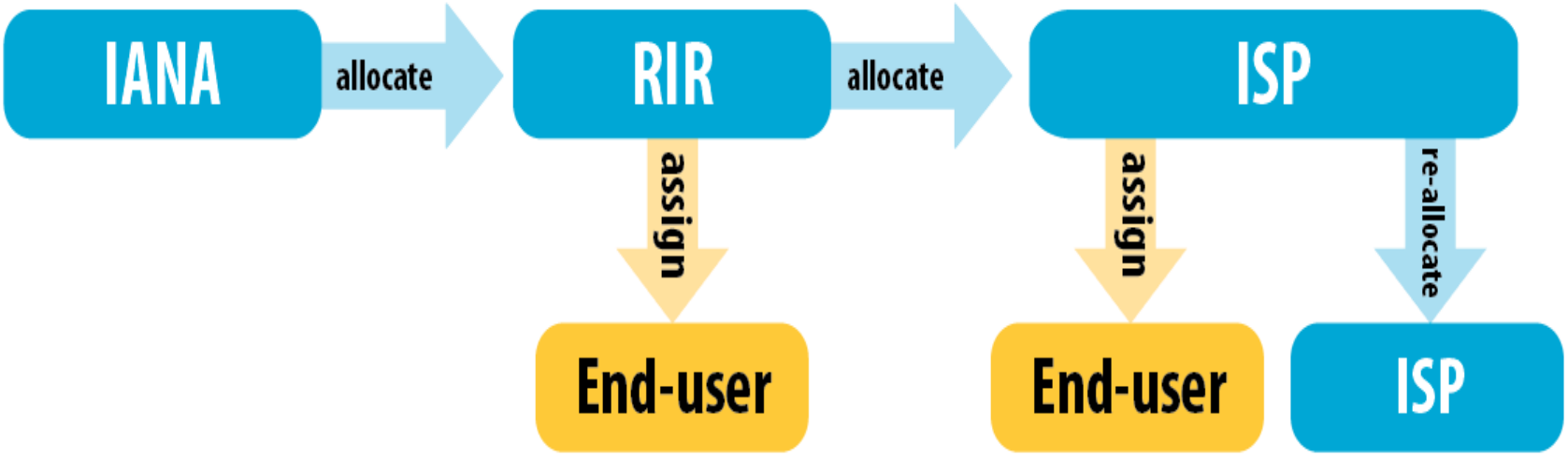
The RIRs are…

- **Independent**
- **Not-for-profit**
  - Fee for services, not number resources
  - 100% community funded
- **Membership based**
  - Internet service providers (ISPs), telecommunication organizations and large corporations
- **Community "Regulated"**
  - Community developed policies
  - Member-elected governing boards
  - Open and transparent

Distribution of IP Addresses



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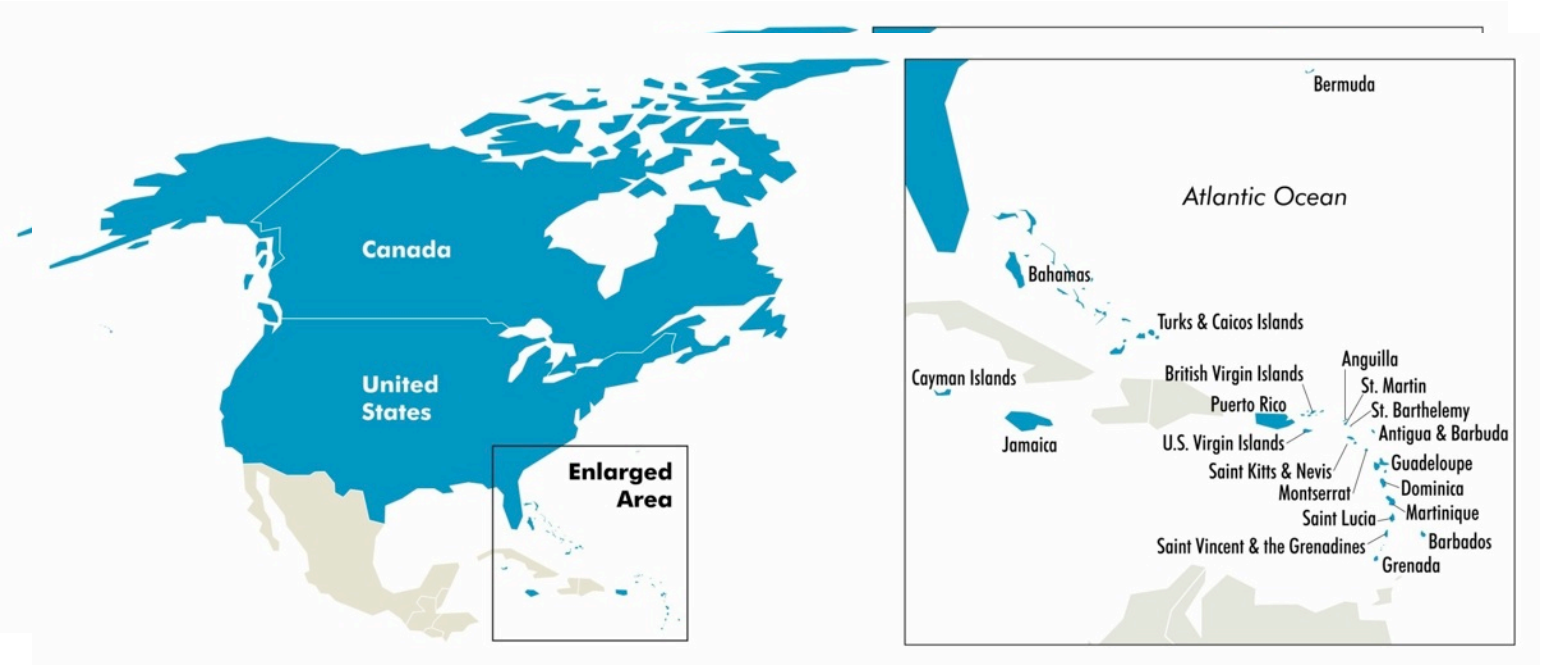
ARIN

American Registry for Internet Numbers

ARIN, a nonprofit member-based organization, supports the operation of the Internet through the **management of Internet number resources** throughout 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.**

ARIN's Service Region



The ARIN Region includes many Caribbean and North Atlantic islands, Canada, the United States and outlying areas.

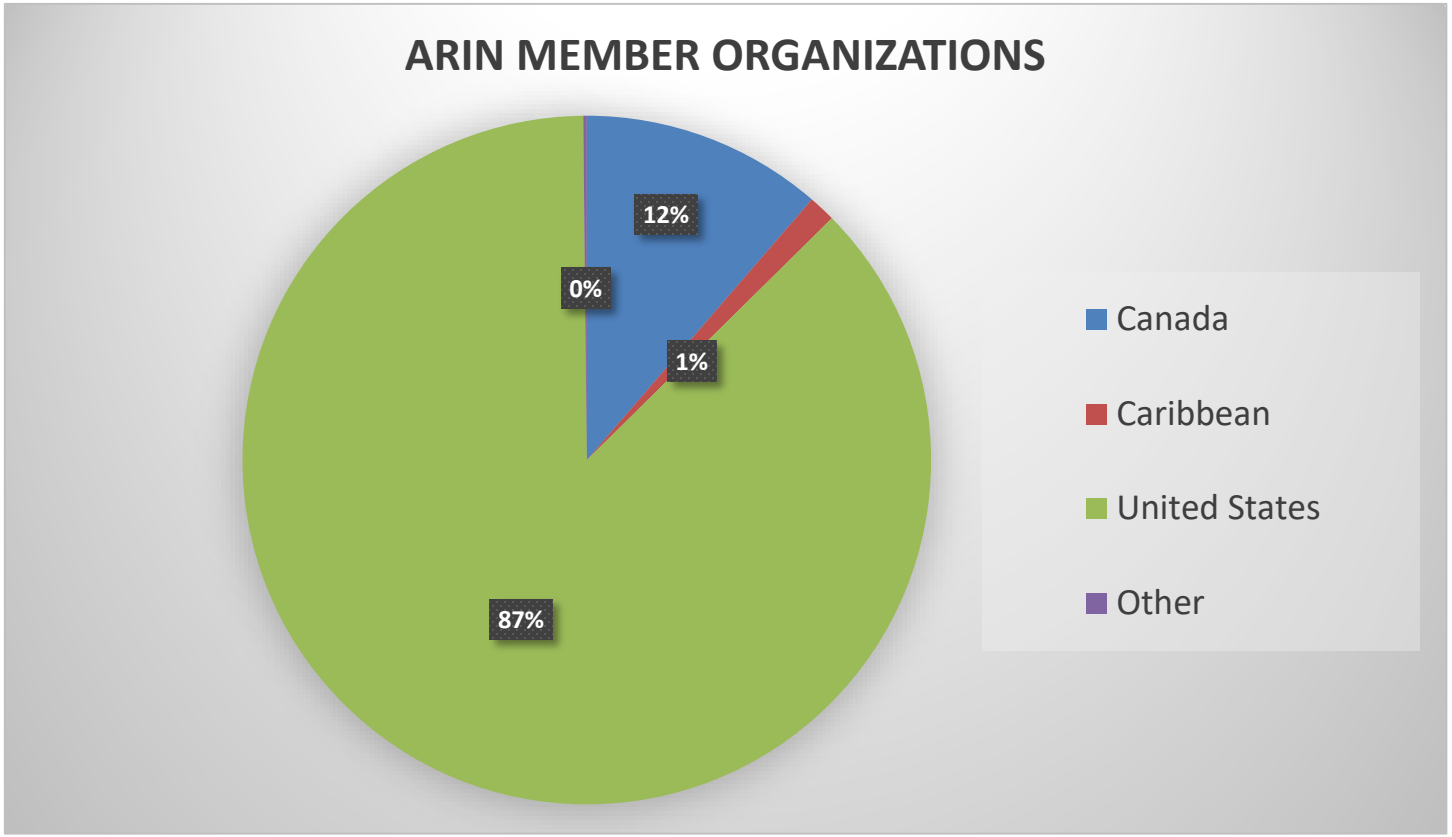
The ARIN Community includes…

- 20,000+ customers
- 5,425+ members
- 80+ professional staff

And more…..Anyone with an interest in Internet number resource management in the ARIN region

ARIN Members

5425 Member Organizations



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Community-based Leadership

ARIN is governed by individuals who are elected by our membership.

- Board of Trustees – 6 elected, 3 year terms
- Advisory Council – 15 elected, 3 year terms
- Number Resource Organization Number Council – 2 elected, 3 year terms

Board of Trustees

7 Member Board of Trustees

- 6 elected by the membership plus President & CEO – all voting
- 2 seats open each election/year
- Ability to appoint an additional voting member for diversity
- Maintains authority over the scope, mission, and establishes the strategic direction and fiscal oversight

Advisory Council

15 Member Advisory Council

- Elected by the membership
- 5 seats open each year/election
- Serves in an advisory capacity to the Board on Internet number resource policy and related matters; forwards consensus-based policy proposals to the Board for ratification

NRO NC/ ASO AC

Number Resource Organization Number Council

- 15 member body/3 per RIR
- 2 elected and one appointed
- Global policy development process
- Selects ICANN Board seats 9 and 10
- Provides advice to the ICANN Board on number resource allocation policy, in conjunction with the RIRs

Strategic Planning

ARIN performs its mission according to a Strategic Plan.

Updated annually, this plan drives the creation of organizational objectives and the internal work plan.

ARIN's strategic plan and objectives:

https://www.arin.net/about_us/corp_docs/stratplan-2017-2018.pdf

2017 Organizational Objectives

- Maintain accountability to membership
- Perform audits (security, registration services)
- Make Board aware of community needs for services
- Participate in global discussions to maintain the community-based multi-stakeholder policy development model
- Conduct two ARIN Public Policy and Member meetings
- Maintain a strong outreach in the Caribbean

2017 Organizational Objectives

- Support law enforcement efforts consistent with ARIN's mission
- Support community discussions on global routing table management
- Provide Advisory Council requested automation support
- Continue IPv4/IPv6 transition awareness campaign
- Continue to review and enhance online services, including making significant user interface improvements per user feedback and customer survey

ARIN Manages:

- IP address allocations & assignments
- ASN assignment
- Transfers
- Reverse DNS
- Record Maintenance
- Directory services – Whois, Whowas...

ARIN develops technologies for managing Internet number resources:

- ARIN Online – customer web portal
- DNSSEC - security
- Resource Certification (RPKI)
- Community Software Project Repository
- Whois-RWS
- Whois and Registration Data Access Protocol (RDAP) directory services
- Operational Test and Evaluation Environment

Training and Education

- Educational Materials library
  https://www.arin.net/knowledge

- Instructional Video Library
  - http://youtube.com/teamarin

- In-person Training/Education
  - ARIN on the Road, ARIN + NANOG on the Road, other fora upon request

Outreach and Community Engagement

- Policy Development through Public Policy Meetings and Consultations
- Work closely with the technical community to ensure education, empowerment, engagement
- Collaborate with Caribbean organizations to maximize inclusion

Global Community Engagement

- Foster working relationships on a global scale
- Be a key technical resource
- Support cooperation and direct involvement alongside governments and international organizations

Key Outreach Topics

- Get6 - teamarin.net/get6/
  - Focus on getting public websites IPv6-enabled
    - Featuring Forward Thinkers who have done it already
    - Wiki list of IPv6 webhosters, DNS providers, trainers, & consultants - getipv6.info

ARIN Mailing Lists

ARIN Announce: arin-announce@arin.net

ARIN Discussion: arin-discuss@arin.net (members only)

ARIN Public Policy: arin-ppml@arin.net

ARIN Consultation: arin-consult@arin.net

ARIN Issued: arin-issued@arin.net

ARIN Technical Discussions: arin-tech-discuss@arin.net

Suggestions: arin-suggestions@arin.net

http://www.arin.net/participate/mailing_lists/index.html

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ARIN on Social Media

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www.linkedin.com/company/ARIN

www.youtube.com/TeamARIN

You Can Participate

- Subscribe to an ARIN mailing list
- Attend a Public Policy and Members Meetings
- Voice your opinion - ARIN's Consultation and Suggestion Process
- Share your IPv6 deployment experiences
- Connect with us on social media
- Volunteer – Committees of the Board: Fellowship Selection, Nomination, Mailing List Acceptable Use Policy and serves as a Meeting Mentor
- Members – Vote in annual elections

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Questions & Discussion