ARIN and the RIR System: Mission, Role and Services

Paul Andersen
ARIN Board of Trustees
Regional Internet Registries

ARIN
American Registry for Internet Numbers
est. 1997

RIPE
Network Coordination Centre
est. 1992

APNIC
Australian Internet Registry
est. 1993

lacnic
Latin American and Caribbean Internet Registry
est. 2002

AFRINIC
The Internet Numbers Registry for Africa
est. 2005
## RIR Structure

<table>
<thead>
<tr>
<th>Not-for-profit</th>
<th>Membership Organization</th>
<th>Community Regulated</th>
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<tbody>
<tr>
<td>• Fee for services, not number resources</td>
<td>• Open</td>
<td>• Community developed policies</td>
</tr>
<tr>
<td>• 100% community funded</td>
<td>• Broad-based</td>
<td>• Member-elected executive board</td>
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<tr>
<td></td>
<td>- Private sector</td>
<td>• Open and transparent</td>
</tr>
<tr>
<td></td>
<td>- Public sector</td>
<td></td>
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<tr>
<td></td>
<td>- Civil society</td>
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IP Address and Autonomous System Number Provisioning Process

IANA allocate RIR allocate ISP

assign assign re-allocate

End-user End-user ISP
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.
The ARIN Region includes many Caribbean and North Atlantic islands, Canada, the United States and outlying areas.
The ARIN Community includes…

Anyone with an interest in Internet number resource management in the ARIN region

- 20,000+ customers
- 5,200+ members
- 75+ professional staff
- 7 member Board of Trustees
  - elected by the membership
- 15 member Advisory Council
  - elected by the membership
- 15 person Number Resource Organization Number Council
  - 3 from the ARIN Community
2015 Organizational Objectives

• Continue IPv4/IPv6 transition awareness campaign
• Participate in global Internet governance discussions to maintain the community-based multi-stakeholder policy development model
• Continue to enhance ARIN Online – user interface improvements
• Participate in discussions for the IANA stewardship transition
2015 Organizational Objectives

- Focus on smaller, community suggested, customer-facing, high-impact software development efforts
- Provide high level of Caribbean outreach
- Strengthen ARIN accountability to membership
- Improve customer service

ARIN’s strategic plan and objectives:
https://www.arin.net/about_us/corp_docs/stratplan.pdf
ARIN Services and Products

**ARIN Manages:**

- IP address allocations & assignments
- ASN assignment
- Transfers
- Reverse DNS
- Record Maintenance
- Directory service
  - Whois
  - Routing Information (Internet Routing Registry)
  - WhoWas
ARIN Services and Products

*ARIN coordinates and administers:*

- Policy Development
  - Community meetings
  - Discussion
  - Publication
- Elections
- Information publication and dissemination and public relations
- Community outreach
- Education and training
ARIN Services and Products

ARIN develops technologies for managing Internet number resources:

- ARIN Online
- Community Software Project Repository
- DNSSEC
- Resource Certification (RPKI)
- Whois-RWS
- Reg-RWS
Get 6 – Websites on IPv6

http://teamarin.net/get6/ipv6-facts/
- Focusing on getting public websites IPv6-enabled
- https://getipv6.info --wiki list of IPv6 webhosters and DNS providers
INTERNET GOVERNANCE =
COORDINATION OF THE MANY ASPECTS
INCLUDING TECHNICAL STANDARDS, POLICIES, INFRASTRUCTURE
THAT MAKE THE INTERNET WORK & DETERMINE HOW IT IS USED
INVOLVING GOVERNMENTS, PRIVATE SECTOR, CIVIL SOCIETY
Globalization of IANA Oversight

On 14 March 2014, the US Government announced plans to transition oversight of the IANA functions contract to the global multistakeholder community.

Current IANA functions contract expires 30 September 2015.
NTIA Conditions for Transition Proposal

1. Support and enhance the multi-stakeholder model
2. Maintain the security, stability, and resiliency of the Internet DNS
3. Meet the needs and expectation of the global customers and partners of the IANA services
4. Maintain the openness of the Internet
• July 31 - The IANA Stewardship Transition Coordination Group (ICG) has published its draft IANA Stewardship Transition Proposal. Open for public comment through 8 September.

• Second Draft Service Level Agreement (SLA) for the IANA Numbering Services – Public comment period closed 31 August
IANA Stewardship Proposal – Victory Conditions

• A proposal submitted to NTIA which meets NTIA’s conditions and provides for transition of IANA stewardship to the global Internet community

• Community support of the ICG proposal, based on belief that the mechanisms provided for oversight and accountability are appropriate
IANA Stewardship – Potential Implications

• Successful transition of IANA Stewardship from the USG to the Internet community would be an important validation of the Internet’s multi-stakeholder governance model
• Inability to transition could raise concerns about the validity of the multi-stakeholder process and fuel discussion of the perceived need for intergovernmental mechanisms for Internet Governance
Visit ARIN’s webpage: Ways to Participate in Internet Governance

https://www.arin.net/participate/governance/participate.html
How to Participate

• Attend Public Policy and Members Meetings & Public Policy Consultations
  – Remote participation available
• Apply for Meeting Fellowship
• Discuss policies on Public Policy Mailing List (ppml)
• Subscribe to an ARIN mailing list
• Attend outreach events
More Ways to Participate

• Community consultations
• Submit a suggestion
• Contribute to the IPv6 wiki
• Write a guest blog for TeamARIN.net
• Connect with us on social media
• Members – Vote in annual elections
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
ARIN on Social Media

www.TeamARIN.net

www.facebook.com/TeamARIN

@TeamARIN

www.gplus.to/TeamARIN

www.linkedin.com/company/ARIN

www.youtube.com/TeamARIN
Join us at ARIN 36 – immediately following NANOG
Apply now for ARIN 37 April 2016 in Jamaica

https://www.arin.net/participate/meetings/fellowship.html

Program expanded – up to 15 total per meeting!
Q&A