ARIN’s Role in the Internet

Nate Davis
Chief Operating Officer
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 **region** includes many (20) Caribbean and North Atlantic islands, Canada and the United States and outlying areas.
Regional Internet Registries

- ARIN (American Registry for Internet Numbers) est. 1997
- RIPE NCC est. 1992
- APNIC est. 1993
- LACNIC est. 2002
- AFRINIC est. 2005
### Who Provisions IP Addresses & ASNs?

| **ICANN/IANA** | • Top level technical coordination of the Internet (Names, Numbers, Root Servers)  
|                 | • Manage global unallocated IP address pool  
|                 |   • Allocate number resources to RIRs |
| **RIR**         | • Manage regional unallocated IP address pool  
|                 |   • Allocate number resources to ISPs/LIRs  
|                 |   • Assign number resources to End-users |
| **ISP/LIR**     | • Manage local IP address pool for use by customers and for infrastructure  
|                 |   • Allocate number resources to ISPs  
|                 |   • Assign number resources to End-users |
Number Resource Provisioning
## ARIN Structure

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

<table>
<thead>
<tr>
<th>Number Resources</th>
<th>Organization</th>
<th>Policy Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>• IP address allocation &amp; assignment</td>
<td>• Information dissemination</td>
<td>• Maintain email discussion lists</td>
</tr>
<tr>
<td>• ASN assignment</td>
<td>• Websites</td>
<td>• Conduct public policy meetings and</td>
</tr>
<tr>
<td>• Directory services</td>
<td>• Educational materials</td>
<td>public policy consultations</td>
</tr>
<tr>
<td>• Whois -RWS</td>
<td>• IPv6 Wiki</td>
<td>• Publish policy documents</td>
</tr>
<tr>
<td>• WhoWas</td>
<td>• Social media</td>
<td></td>
</tr>
<tr>
<td>• IRR</td>
<td>• Meetings</td>
<td></td>
</tr>
<tr>
<td>• Reverse DNS</td>
<td>• Elections</td>
<td></td>
</tr>
<tr>
<td>• DNSSEC</td>
<td>• Outreach</td>
<td></td>
</tr>
<tr>
<td>• Resource Certification (RPKI)</td>
<td>• IPv6</td>
<td></td>
</tr>
<tr>
<td>• Community Software Repository</td>
<td>• Internet Governance</td>
<td></td>
</tr>
</tbody>
</table>

- ARIN Services
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
Information on Joining in the Internet Governance Discussion

Visit ARIN’s webpage: Ways to Participate in Internet Governance

https://www.arin.net/participate/governance/participate.html
ARIN Community Input

- 14 March 2014 the US government announced desire to transition oversight of the Internet Assigned Numbers Authority (IANA) functions contract from the National Telecommunications and Information Administration (NTIA) to the global multistakeholder community.
- Coordination Group formed to facilitate the transition process – input from the Number Resource Organization, Address Supporting Organization, ISOC, IETF, IAB
- All RIRs will engage their respective communities
- ARIN 34 in Baltimore – on agenda and a likely consultation via email on the issue

http://teamarin.net/education/internet-governance/iana-globalization/
Participate in ARIN

Contribute your Opinions and Ideas:

• Public Policy Mailing List
• IPv6 Wiki
• Attend Public Policy and Members Meetings, Public Policy Consultations – remote participation
• Outreach events
• Submit a suggestion
• Participate in community consultations
• Write a guest blog – TeamARIN.net
• 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