



ARIN NANOG

ON THE ROAD

Madison, WI
9 September 2014

ARIN's Role in the Internet

Nate Davis

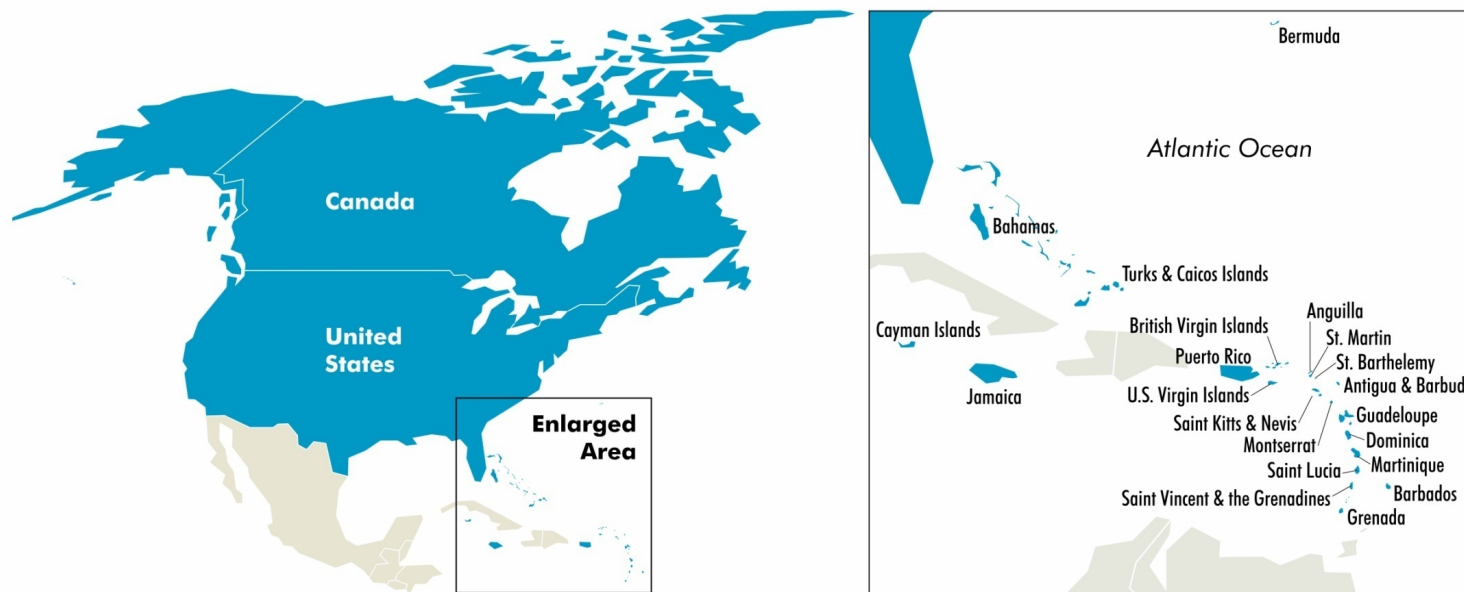
Chief Operating Officer

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 Service Region



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



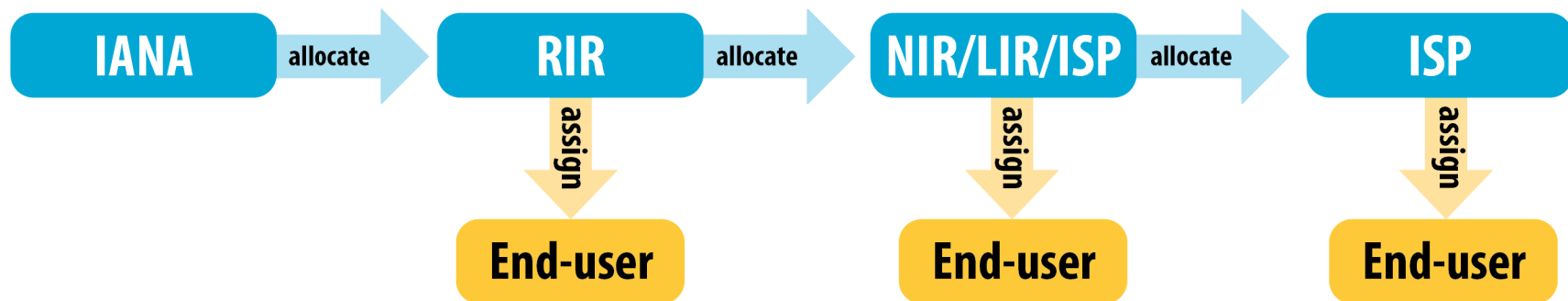
AFRINIC
The Internet Numbers Registry for Africa
est. 2005



Who Provisions IP Addresses & ASNs?

ICANN IANA	<ul style="list-style-type: none">• Top level technical coordination of the Internet (Names, Numbers, Root Servers)• Manage global unallocated IP address pool<ul style="list-style-type: none">• Allocate number resources to RIRs
RIR	<ul style="list-style-type: none">• Manage regional unallocated IP address pool<ul style="list-style-type: none">• Allocate number resources to ISPs/LIRs• Assign number resources to End-users
ISP/LIR	<ul style="list-style-type: none">• Manage local IP address pool for use by customers and for infrastructure<ul style="list-style-type: none">• Allocate number resources to ISPs• Assign number resources to End-users

Number Resource Provisioning



ARIN Structure

Not-for-profit	Membership Organization	Community Regulated
<ul style="list-style-type: none">• Fee for services, not number resources• 100% community funded	<ul style="list-style-type: none">• Broad-based<ul style="list-style-type: none">- Private sector- Public sector- Civil society	<ul style="list-style-type: none">• Community developed policies• Member-elected executive board• Open and transparent

ARIN Support Organization



ARIN Services

Number Resources	Organization	Policy Development
<ul style="list-style-type: none"> • IP address allocation & assignment • ASN assignment • Directory services <ul style="list-style-type: none"> • Whois -RWS • WhoWas • IRR • Reverse DNS • DNSSEC • Resource Certification (RPKI) • Community Software Repository 	<ul style="list-style-type: none"> • Information dissemination <ul style="list-style-type: none"> • Websites • Educational materials • IPv6 Wiki • Social media • Meetings • Elections • Outreach <ul style="list-style-type: none"> • IPv6 • Internet Governance 	<ul style="list-style-type: none"> • Maintain email discussion lists • Conduct public policy meetings and public policy consultations • Publish policy documents

INTERNET GOVERNANCE =

**COORDINATION OF
THE MANY ASPECTS**

INCLUDING

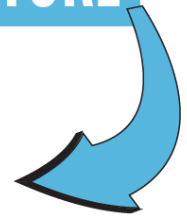
TECHNICAL STANDARDS,
POLICIES,
INFRASTRUCTURE



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



The screenshot shows the ARIN website's 'INTERNET GOVERNANCE' page. At the top, there's a navigation menu with 'PARTICIPATE' selected. Below the menu is a search bar and a section titled 'INTERNET GOVERNANCE'. The main content area includes a featured article 'Who decides the future of the Internet?' with a photo of a conference, a list of 'What could be at stake?' (innovation, open contributions, consensus-based policies, user access), and two call-to-action buttons: 'WAYS TO PARTICIPATE' and 'DEFINING INTERNET GOVERNANCE & ARIN'S ROLE'. Below these are 'UPCOMING EVENTS' and 'FORUMS FOR PARTICIPATION'.

<https://www.arin.net/participate/governance/participate.html>

GLOBALIZATION
of **IANA** Oversight



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 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



Q&A

