ARIN31

BARBADOS

First Timers' Breakfast

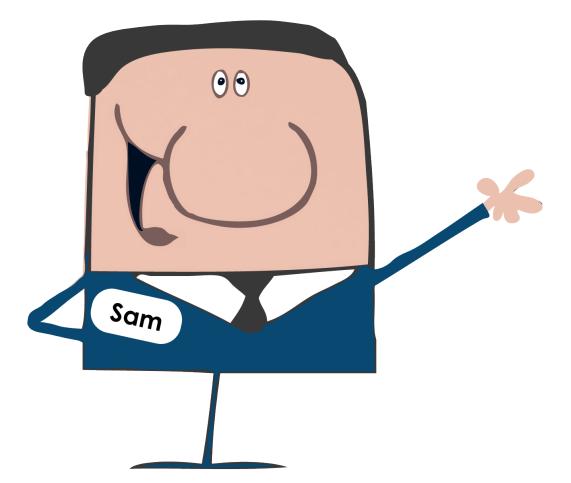
Susan Hamlin Director, Communications and Member Services

First Timers' Breakfast

- Brief introductions
- ARIN and the Internet registry system
- Policy development at a glance
- What's ahead and how to participate
- Q&A at your table



Self-introductions





Regional Internet Registries (RIRs)

• The system began in 1992

• There are five RIRs:



- ➢ RIPE NCC, APNIC, then ARIN
- ➤ LACNIC formed in 2002 out of ARIN region
- AFRINIC formed in 2005 out of ARIN and RIPE NCC regions.



RIR Structure

Nonprofit	Membership Organization	Community- regulated
 Fee for services, not number resources 100% community funded 	 Broad-based Private sector Public sector Civil society 	 Community developed policies Member- elected executive board Open and transparent

RIR Services

Number Resources	Organization	Policy Development
 IP address allocation & assignment ASN assignment Directory services Whois IRR Reverse DNS 	 Elections Meetings Information dissemination Website Newsletters Roundtables Training 	 Facilitate policy development process Maintain email discussion lists Conduct public policy meetings Publish policy documents

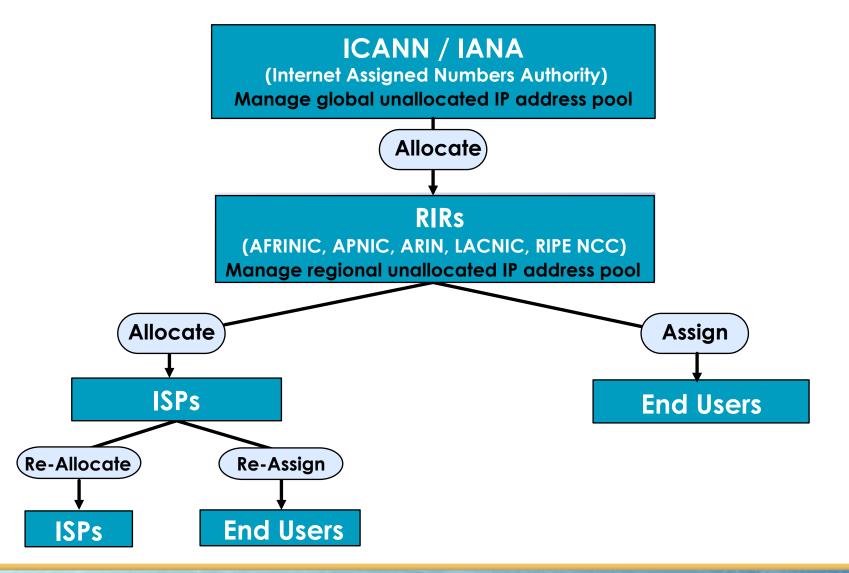


Who Provisions IP Addresses and ASNs?

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 Hierarchy





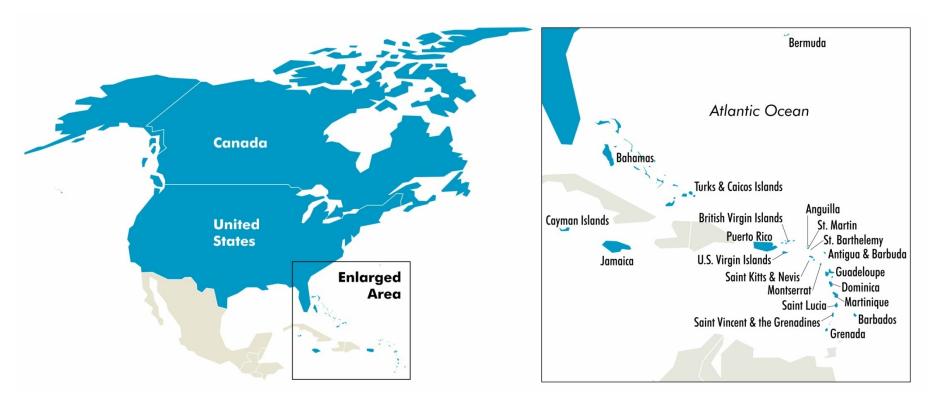
ARIN's Mission

ARIN, a nonprofit member-based organization supports the operation of the Internet through:

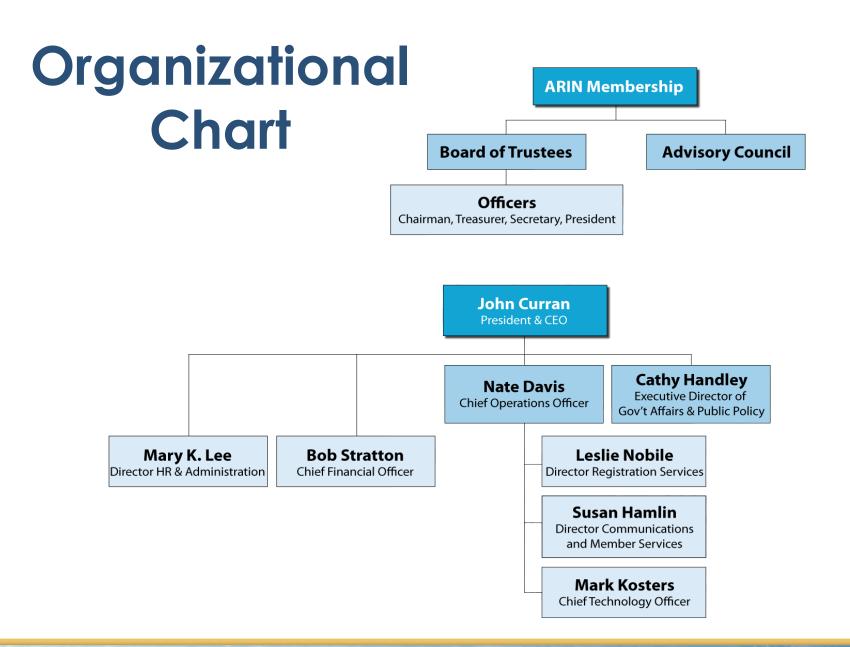
- the management of Internet number resources throughout its service region;
- coordinates the development of policies by the community for the management of Internet Protocol number resources; and
- advances the Internet through informational outreach.



ARIN's Service Region



ARIN's region includes Canada, many Caribbean and North Atlantic islands, US Minor Outlying Islands and the United States.





Registration Services



- Coordination & management of Internet
 number resources
- Internet number resource transfers
- Directory Services
- Registration transaction information (Whois)
- Record maintenance
- Routing information (Internet Routing Registry)



Technical Services

- ARIN Whois/Whois-RWS
- •ARIN Online
- Internet Routing Registry
- Reverse DNS Services
- DNSSEC
- RPKI
- IT support for organization





Organization Services

- Information publication and dissemination
- Education & outreach
- Elections (Board, AC, NRO NC)
- Policy development process
- Public Policy and Member Meetings



Policy Development Principles

Open

- Developed in open forum

- Public Policy Mailing List
- Public Policy Meetings
- Anyone can participate

Transparent

- All aspects documented and available on website
 - Policy process, meetings, and policies

Bottom-up

- Policies developed by the community
- Staff implements, but does not make policy

Who Plays a Role in the Policy Process?

Community

- Submits proposals
- Participates in discussions and petitions

Advisory Council (elected volunteers)

- Facilitates the policy process
- Develops policy:
 - Enables fair and impartial resource administration
 - Technically sound
 - Supported by the Community

Determines consensus based on community input



Roles...

ARIN Board of Trustees (elected volunteers)

- Provides corporate fiduciary oversight
- Ensures the policy process has been followed
- Ratifies policies

ARIN Staff

Provides feedback to community

- Staff and legal assessments for all proposals
- Policy experience reports

Implements ratified policies

Basic Steps

- 1. Community member submits a Proposal
- 2. AC works with submitter to ensure clear problem statement and suggested policy change
- 3. AC puts <u>Draft Policy</u> on PPML for community discussion/ feedback (possibly presented at PPC/PPM)
- 4. AC decides: continue work or abandon
- 5. AC recommends fully developed Draft Policy (fair, sound and supported by community) for adoption
- 6. <u>Recommended Draft Policy</u> presented at PPC/PPM
- 7. If AC still recommends adoption, then Last Call and review of last call
- 8. Board review
- 9. Staff implements



Number Resource Policy Manual http://www.arin.net/policy/nrpm.html

ADINI	Your IPv4 address is 192.149.252.11 SEARCH Whols advanced search
American Registry for Internet Numbers	NUMBER RESOURCES PARTICIPATE POLICIES FEES & INVOICES KNOWLEDGE ABOUT US
ARIN ONLINE Usemame and password are case sensitive.	ARIN NUMBER RESOURCE POLICY MANUAL
username: new user?	Version 2012.2 - 10 February 2012
password: assistance	This is ARIN's Number Resource Policy Manual (NRPM). It is available at: https://www.arin.net/policy/. This version supersedes all previous versions. >PDF_/L_
log in 💿 About ARIN Online	CONTENTS > Index /
	1. Introduction 2. Definitions
	2.1. Internet Registry (IR) 2.2. Regional Internet Registry (RR) 2.3. (Section Number Retired) 2.4. Local Internet Registry (LIR) 2.5. Allocate and Assign 2.6. End-user 2.7. Multihomed 2.8. Utilization (IPv6) 2.9. HD-Ratio 2.10. End site 2.11. Community Network 2.12. Organizational Information 2.13. Residential Customer 2.14. Serving Site (IPv6) 2.15. Provider Assignment Unit (IPv6) 2.16. Utilized (IPv6) 3. Director Services
	3. Directory Services
	3.1. Bulk Copies of ARIN's Whois 3.2. Distributed Information Server Use Requirements 3.3. Privatizing PoC Information 2.4. Pourties Requirements

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Policies Covered:

IPv4 Address Space IPv6 Address Space Autonomous System Numbers (ASNs) Directory Services (WHOIS) Reverse DNS (in-addr) Transfers Experimental Assignments Resource Review Policy

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Draft policies at this meeting:



- ARIN-2012-2: IPv6 Subsequent Allocations
 Utilization Requirement
- ARIN-2013-1: Section 8.4 Inter-RIR Transfers of ASNs
- ARIN-2013-2: 3GPP Network IP Resource Policy
- ARIN-2013-3: Tiny IPv6 Allocations for ISPs



How to monitor and not be overwhelmed?

Once a month:

- Front page of the website leads to proposals and draft policies under discussion
 - New proposals need feedback for the AC's initial decision
 - Web site can help you focus on what's important to you and your company

Twice per year:

- Check the ARIN Public Policy Meeting site in the weeks
 leading up to the meeting
 - Proposals/Draft Policies on Agenda
 - Discussion Guide (summaries, text, staff assessments)
 - Attend in Person/Remote
- AC meeting last day: Watch list for AC's decisions, Last Calls State your opinion, are you For or Against?



What's Ahead this week Needhams 1& 2

Today:

ARIN Public Policy Meeting 9:00 AM - 4:00 PM

ARIN social – Harbor Lights

(Buses leave starting at 6:15)



Tuesday: ARIN Public Policy Meeting, 9:00 AM – 4:00 PM

Wednesday: ARIN Members Meeting (open to all), 9:00 AM – Noon



Ways to participate this week: Membership is not required ©

- Meet your fellow attendees at meals and during breaks
- Join a lunch table topic discussion led by the AC on Monday or Tuesday
- ARIN Board, Advisory Council, NRO Number Council and Staff all have ribbons on our name tags – seek us out and ask questions
- Go the floor microphones in the meeting room, be sure to state name and organization upfront
- Raise your hand to voice your opinion when votes are taken during policy discussions



Don't Forget Your Survey

Please complete the survey form and drop it in the bowl.

Be present in the meeting room this afternoon for the drawing – you might win a \$100 Think Geek gift certificate.



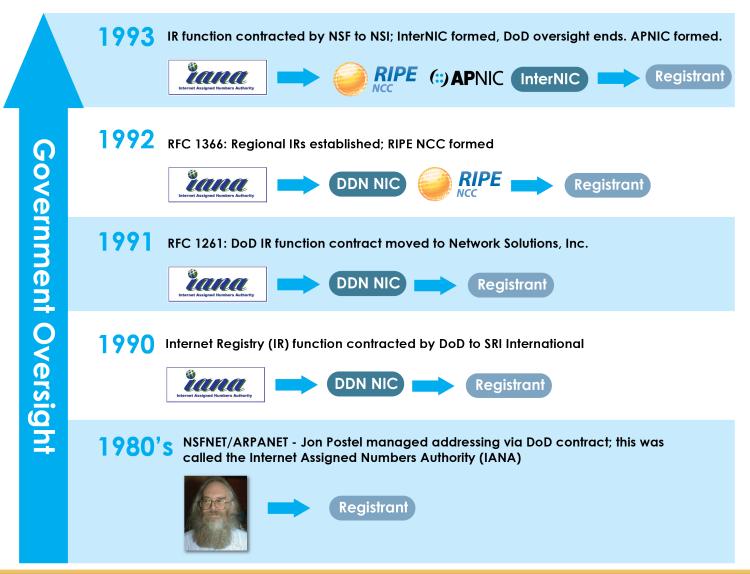
Questions?



Reference Material



Historical Timeline





Historical Timeline

