



**ARIN | 41**

MIAMI, FLORIDA | 15-18 APRIL 2018

# **Newcomer Orientation**

# Orientation Overview

- Brief introductions
- Introduction to ARIN, the organization and its services
- What's ahead this week
- Open Microphone - Q&A



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# **ARIN Overview**

## **Mission, Role and Services**

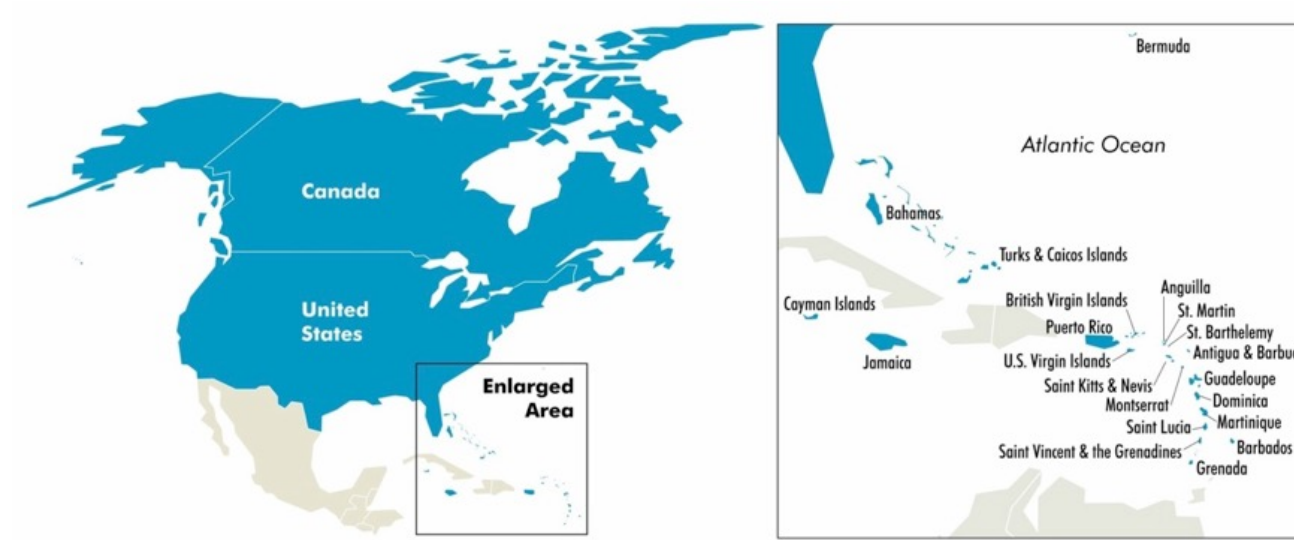
Richard Jimmerson  
Chief Information Officer

# Why Are We Here?



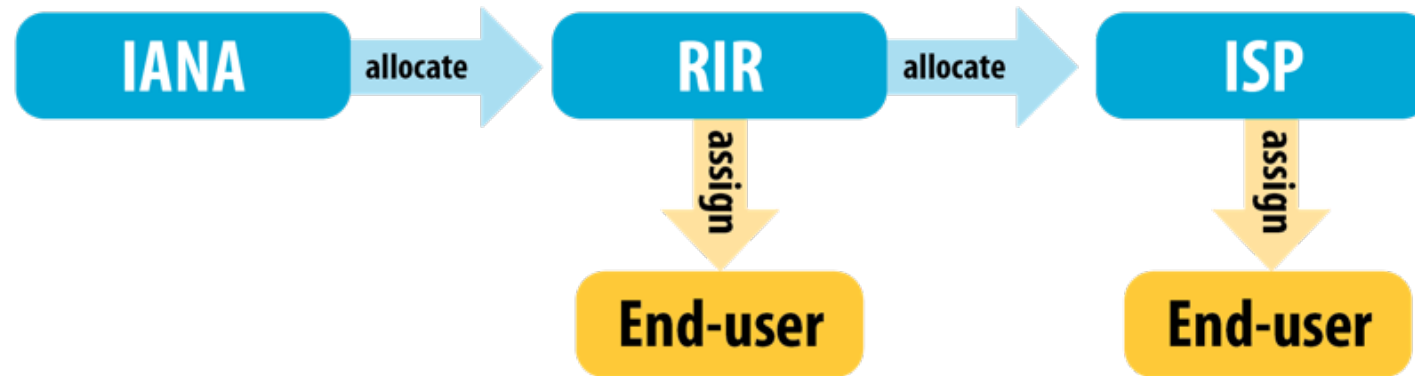
ARIN, a nonprofit member-based organization, supports the operation of the Internet through the **management of Internet number resources** throughout its service region; **coordinates the development of policies by the community** for the management of Internet Protocol number resources; and **advances the Internet through informational outreach.**

# ARIN's Service Region

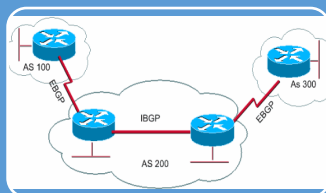


The ARIN Region includes many Caribbean and North Atlantic islands, Canada, the United States and outlying areas.

# IP Address and Autonomous System Number Provisioning Process



# But it all starts with you...



Many networks first encounter ARIN when they need an AS number for BGP



Others encounter ARIN when they want to get portable IP addresses to avoid renumbering



ARIN's most fundamental function is registration of IP addresses and AS numbers to ensure global uniqueness



... and to operate directory services which allow the public to determine who those IP addresses and AS numbers are registered to

# Who are you?

37,000+

Organizations served by ARIN

21,000+

Organizations under contract with ARIN

5700+

ARIN member organizations

85+

Professional staff

*Anyone with an interest in Internet number resource management in the ARIN region can be part of the ARIN community.*



# ARIN Manages:

IP address allocations & assignments

ASN assignment

Transfers

Reverse DNS

Record Maintenance

# ARIN Services



ARIN customer web portal

Security (DNSSEC, RPKI)

Whois-RWS

Whois and Registration Data Access Protocol (RDAP) directory services

Operational Test & Evaluation (OT&E) Environment

# But who sets the rules?

The community (that's you!) decides what rules ARIN should apply when issuing IP addresses and AS numbers

ARIN staff are prohibited from setting policy

... but we do facilitate the policy development process (PDP) to enable the community to create & maintain policies

Fostering an open, transparent, fair, and bottom-up policy process is another key ARIN function

# 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**

# And who sets the fees?



Fees are set by ARIN's Board of Trustees (BoT), who are elected by ARIN's members



Members are primarily ISPs but can also include end users



The Board of Trustees is responsible for setting ARIN's fee structure and providing overall guidance to ARIN's operations and strategic plan



Conducting open and fair elections is a third key ARIN function

# 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

Authority over the scope, mission, and establishes the strategic direction and fiscal oversight

# 2018 Strategic Plan:



Manage efficient allocation of Internet number resources in the ARIN region

Educate the community about ongoing IPv6 adoption

Coordinate with other RIRs on registry processes and technology to maintain a globally consistent and useable registry system

Work cooperatively with network operator forums in the region as appropriate

Maintain, develop and enhance functionality of ARIN services as sought by users and supported by membership

# Outreach & 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



# IPv6 Outreach

Get6 - [teamarin.net/get6/](http://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](http://getipv6.info)



# Global Engagement



Foster global working relationships

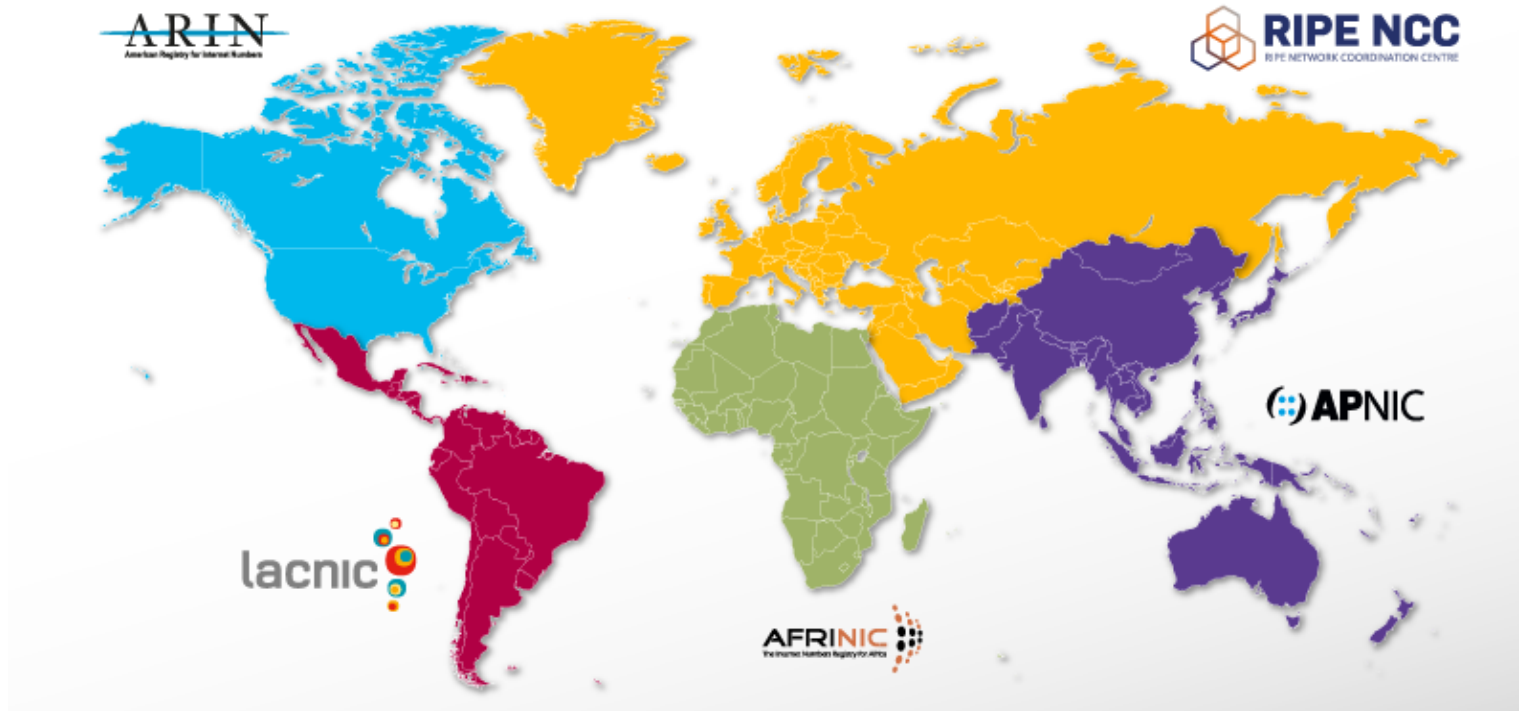


Be a key technical resource



Support cooperation and direct involvement alongside governments and international organizations

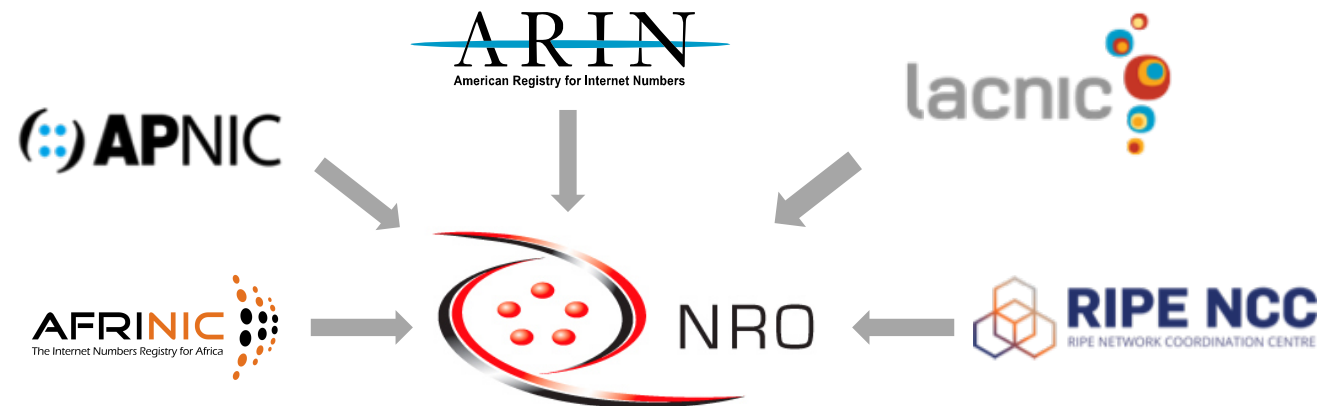
# What about the rest of the world?



## Regional Internet Registry Structure:

Independent \* Not-for-profit \* Membership-based  
Community driven

# The Number Resource Organization



The NRO exists to protect the unallocated number resource pool, to promote and protect the bottom-up policy development process, and to act as a focal point for Internet community input into the RIR system.

<https://www.nro.net/>

# NRO NC/ ASO AC

## Number Resource Organization Number Council (NRO NC) & Address Supporting Organization Advisory Council (ASO AC)

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

# What's Ahead This Week



## **Tonight:**

Policy Development Process Tutorial

Happy Hour

4:30 – 5:30 PM Right here

5:30 – 6:30 PM Upper pool deck

## **Public Policy & Members Mtg**

Breakfast – M, T, W

Policy Meeting – M, T

Lunch for all attendees M,T

Women's Networking Lunch - M

Social - Monday

Public Policy/Members Meeting - W

## **Symphony Ballroom I & II**

8:00 - 9:00 AM, Concerto A/B Public

9:00 AM - 5:00 PM

Noon – 1:30 PM, Concerto A/B

Noon – 1:30 PM, Concerto D

7:00 – 11:00 PM/**Buses**

## **Ball & Chain Miami**

9:00 AM – Noon

# Ways to Participate This Week



- Meet your fellow attendees
- Have questions? Seek out ARIN Board, Advisory Council, NRO Number Council and Staff
- Go the floor microphones in the meeting room
- Raise your hand to voice your opinion when votes are taken during policy discussions

**Membership Not Required!**





**ARIN 42**  
VANCOUVER, CANADA  
4 - 5 OCTOBER 2018



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

# Don't Forget Your Survey!

- Drop your completed the survey form it in the bowl
- Be present first thing tomorrow for the drawing
- You might win a \$100 Think Geek gift certificate!



# Questions?