The RIR system

Gergana Petrova| gpetrova@ripe.net | 7 November 2018

Internet Protocol (IP) Address

- It needs to be globally unique

- It is an address, not an identity

  - Represents a location in a network

  - If you move, your address is likely to change

193.0.6.190
193.0.6.191
193.0.6.192
193.0.6.193
193.0.6.194
193.0.6.195
193.0.6.196

What is the RIPE community?

- Réseaux IP Européens

- Established in 1989

- Open, bottom-up, inclusive, transparent

- Responsible for making policy, sharing information and best practices

- RIPE structures:
  - Working groups
  - Mailing lists
  - RIPE Meetings

What is RIPE NCC?

- RIPE Network Coordination Centre

- Independent, not-for-profit membership organisation

- Established in 1992

- One of the five RIRs (Regional Internet Registry)

- Serving Europe, the Middle East, parts of Central Asia

- Around 140 staff based in Amsterdam, Dubai and Moscow

What does RIPE NCC do?

- Receives large IP address blocks from IANA

  - Distribute those in smaller blocks to its members

  - Publish and maintain a list of who has which block

  - Implement the rules (policies) set by the RIPE community

- Supports the infrastructure of the Internet through technical coordination

- Provide services for the benefit of the Internet community at large

RIR Service Regions
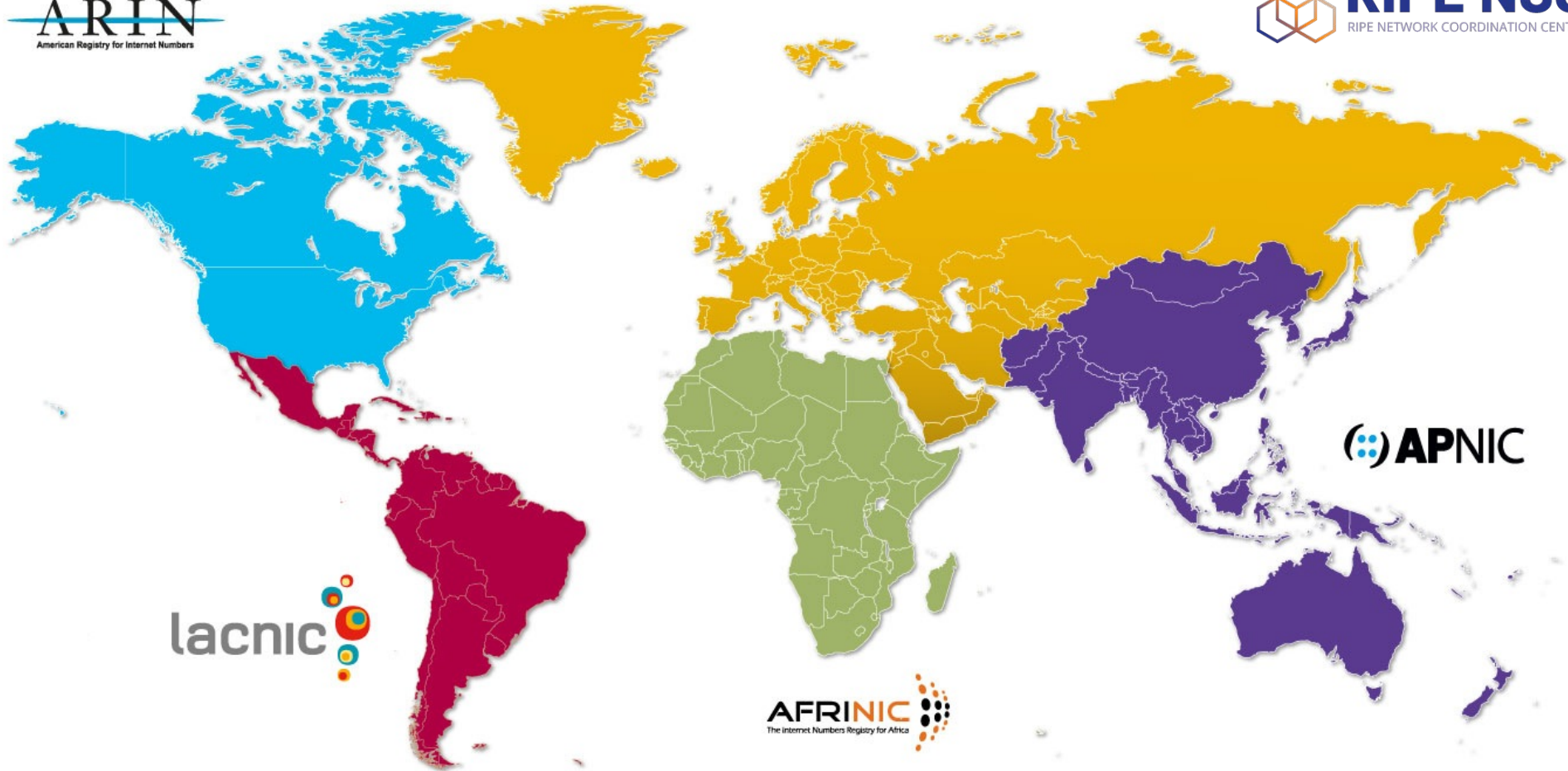
RIPE Policy Development

- Relate to the operation of the Internet (e.g. process of resource allocation, assignment, transfers)

- Developed by and for the RIPE community

- Decisions based on mailing list discussion
  - Face to face meetings help

- Rough Consensus
  - Properly address all concerns and objections
  - Work out differences
  - No voting or counting

Our meetings

- RIPE Meetings - 5 days; in service region

  - RIPE 78, 20-24 May, Reykjavik

- ENOG - 2 days; all over Eurasia

  - ENOG 16, 3-4 June, Tbilisi

- SEE - 2 days; all over South East Europe

  - SEE 8, 16-17 April, Sarajevo

- MENOG - 2 days; all over the Middle East

  - MENOG 19, 3-4 April (TBC)

Online Learning & Webinars

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Online Learning

The RIPE Academy (academy.ripe.net)

- Local Internet Registry, RIPE Database, IPv6

- Enrol and get a certificate (it's free!)

Webinars (ripe.net/support/training/learn-online/webinars)

- RIPE Database, IPv6 addressing, RIPE Atlas, Internet Governance

- You can also watch recordings of past webinars

RACI: The RIPE Academic Cooperation Initiative

Gergana Petrova| gpetrova@ripe.net | 7 November 2018

The RACI Story

- RACI = RIPE Academic Cooperation Initiative

- Started in 2013 as a way to connect the RIPE and the research communities

- Offers academics the chance to present to industry, make connections and get feedback

- Successful applicants receive complimentary tickets, travel and accommodation to meetings

- All applicants can publish their work through RIPE Labs (labs.ripe.net)

Examples of relevant topics

- Network measurements and analyses

- IPv6 deployment

- BGP routing

- Network security

- Internet governance

- Peering and interconnectivity

- Internet of Things

Get Involved

ripe.net/raci

ripe.net/raci/mailing-list

@RACI_RIPE

ripe.net/linkedin

RIPE Fellowship

- Increase diversity at RIPE Meetings

- Open to anyone who works or studies in a field relevant to the RIPE community

- Fund travel, hotel and meeting ticket

- Must be from the RIPE NCC service region

- Aimed at newcomers

ripe.net/fellowship

The RIPE NCC
Community Projects Fund

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RIPE NCC Community Projects Fund

- The RIPE NCC has a long history of supporting projects and innovative ideas

- In 2017 we formalised these efforts through the RIPE NCC Community Projects Fund

- €250,000 a year to support non-commercial projects of value to the operation and resilience of the Internet

- Preference to projects from our service region

Project Criteria

- Must benefit the Internet, particularly the RIPE community

- Must be non-commercial

- There must be a clear project plan and timeline

- Applicants may apply as many times as they want for different projects per year

- The same project may be funded more than once, but not in the same year.

ripe.net/support/cpf/funding-recipients-2017

The Funding

- No minimum amount of funding that must be disbursed each year

- No limit on the number of projects that can be funded per year

- May be used to purchase equipment, but this cannot be the sole expenditure

- Cannot be used for humanitarian aid, donations, or to encourage political reform

- Cannot be used to provide scholarships or cover tuition fees

- Cannot be used to support a commercial activity

RIPE NCC Community Projects Fund

- Next round of applications opens in May 2019

- The winning projects will be announced in September 2019

- See the website for progress reports from the 2017 and 2018 winners

ripe.net/cpf

Questions

gpetrova@ripe.net

ripe.net/raci
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