The RIR system
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
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
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
The RIPE Fellowship
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
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

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ripe.net/raci
ripe.net/fellowship
ripe.net/cpf