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
```
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

[Map of the world with regions highlighted and RIR logos]

ARIN
American Registry for Internet Numbers

lacnic

RIPE NCC
RIPE Network Coordination Centre

APNIC
The Internet Number Registry for Asia
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 75, 22-26 October 2017 in Dubai

• ENOG - 2 days; all over Eurasia
  - ENOG 14, 9-10 October in Minsk

• SEE - 2 days; all over South East Europe
  - SEE 7, 18-19 June 2018 in Timisoara
Get Involved

• RIPE Academic Cooperation Initiative (RACI)
  - covers travel and accommodation for academics to come and present at our meetings
  - Join the academic mailing list:
    https://www.ripe.net/raci/mailing-list

• RIPE fellowship
  - provide travel and accommodation for underrepresented groups to attend
  - Join the mailing list:
    https://www.ripe.net/participate/mail
Learn More

• The RIPE Academy
  - free online courses
  - Local Internet Registry (LIR), RIPE Database, IPv6
  - https://academy.ripe.net

• Online webinars
  - RIPE Atlas, RIPE policies, new LIRs, RIPE Database, IPv6
  - webinar recordings available
  - https://www.ripe.net/support/training/learn-online/webinars
Questions

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