



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

How to take part in RIPE Community

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November 2018 | Amsterdam



RIPE Meetings



RIPE Community

- Started in 1989 by researchers in Europe
- Technical coordination of IP network
- Volunteers, no legal structure
- Open to anybody
 - meetings
 - working groups
 - mailing lists
- Collaboration and coordination



RIPE Topics (Working Groups)



- Anyone can join the discussion & do the work
 - on “mailing lists” & web-forum
 - at the RIPE meetings In Real Life
 - through “remote participation”
- Read and / or subscribe
 - <https://www.ripe.net/participate/ripe/wg>

Address Policy Working Group

Anti-Abuse Working Group

Connect Working Group

Cooperation Working Group

Database Working Group

DNS Working Group

Internet of Things Working Group

IPv6 Working Group

MAT Working Group

Open Source Working Group

RIPE NCC Services Working Group

Routing Working Group



RIPE Meetings

- Twice a year, whole week long
- Working groups, plenary sessions, tutorials
 - Remote participation possible
 - tickets: week (€ 350), day (€ 125), student/week (€ 50)
 - new LIRs get two “gratis” tickets
- RIPE 78: Iceland, May 2019
- RIPE 79: Rotterdam, October 2019
 - <https://www.ripe.net/participate/meetings>



- Students and researchers:
 - Present your Internet-related research at RIPE Meetings
 - Complimentary tickets, travel and accommodation
 - Topics: network measurement and analysis, **security**, IPv6 deployment, BGP routing, Internet governance, peering and interconnectivity, IoT
- ripe.net/raci

RIPE Fellowship



- Get support to attend RIPE meeting
 - Removing the cost barrier
 - Increasing diversity
 - <https://labs.ripe.net/Members/agowland/apply-now-for-new-ripe-fellowship-programme>
- Five fellows/fellow-esses per meeting
 - Complimentary tickets, travel and accommodation provided
- Apply from February 2018
 - <https://www.ripe.net/participate/ripe/ripe-fellowship>

RIPE Diversity Task Force



- Diversity is important!
- Started a Task Force to coordinate the efforts
 - <https://www.ripe.net/participate/ripe/tf/ripe-diversity-task-force>
- Mailing list:
 - <https://lists.ripe.net/mailman/listinfo/diversity>
- Articles:
 - <https://labs.ripe.net/diversity>



RIPE Labs

INNOVATIVE INTERNET TOOLS AND IDEAS
SHARE EXPERIENCE | SHOWCASE TOOLS | PRESENT RESEARCH

- Publish your research or use case
- Reach out to RIPE Community
- Read about latest analysis or conferences
- labs.ripe.net



Other Meetings



Regional Meetings

- Once a year:
- MENOG
- ENOG
- SEE
- <https://www.ripe.net/participate/meetings/regional-meetings>
- Open to everyone
- Also: mailing lists for regional cooperations



Training courses

- Six different types
- Every week, all over RIPE NCC region
 - LIRs/members only
 - One day, or two day, or with a lab / workshop
- On-line options: Academy, Webinars, Tutorials
 - open to everyone
- ripe.net/training / training@ripe.net



RIPE NCC Hackathons (also for “non-techies” !)

RIPE NCC Hackathons



- Hack-a-thon = hacking marathon
 - intensive coding on FLOSS (free and open source software)

hacker: n.

[originally, someone who makes furniture with an axe]

1. A person who enjoys exploring the details of programmable systems and how to stretch their capabilities, as opposed to most users, who prefer to learn only the minimum necessary. RFC1392, the *Internet Users' Glossary*, usefully amplifies this as: A person who delights in having an intimate understanding of the internal workings of a system, computers and computer networks in particular.

- Cooperative, collaborative, non-competitive
- Non-commercial: no monetary rewards

Goals for the hackathon



- bring together operators, researchers, designers, coders, hackers
- combine creative skills
- & get feedback for RIPE NCC
- contribute useful tools for operators
- make new connections
- have fun!



Powered by Stroopwafels!



Best Behaviour



- Cooperation & Team-Work
 - form the team of most diverse people possible
 - get to know each other; be constructive; cooperate
 - the goal is to contribute, not to compete nor to win
 - unconference motto: “walk with your feet”
- Code of Conduct
 - be tolerant & respectful; encourage exchange of ideas
 - do NOT be demeaning, intimidating or harming
 - if you feel hurt or offended, speak to organisers





Previous RIPE NCC Hackathons

- RIPE Atlas DataViz (March 2015, A'dam)
 - RIPE Atlas Tools for Operators (October 2015, Bucharest)
 - RIPE Atlas Interfaces (April 2016, Copenhagen)
 - IXP Tools (October 2016, Madrid)
 - IXP Tools Code-Sprint (April 2017, A'dam)
 - DNS Measurements (April 2017, A'dam)
 - Version6 (November 2017, Copenhagen)
 - Network Operators Tools (June 2018, Dublin)
 - Quantum Internet Hackathon (October 2019, A'dam)
- All code on GitHub

Future Participation in Hackathons



- Use the software and tools
 - Share your use cases and success stories
- Modify the code, contribute improvements
 - All the code is on GitHub
- Early call for 2019
 - Two events planned: Spring and Autumn
 - Be a host / local partner / juror / sponsor
 - Be a participant again :)
- Watch this page: <https://labs.ripe.net/hackathons>



Community Support

NOG Support



- (country) Network Operators Groups
 - e.g. SwiNOG, iNOG, NLNOG, UKNOF, RSNOG, DENOG...
- labs.ripe.net/nogs
- An overview of events, a calendar, and a map
- RIPE NCC has funding for NOG meetings
 - supporting mostly new or smaller NOGs
- Please ask if you want us to send a speaker

Community Projects Fund

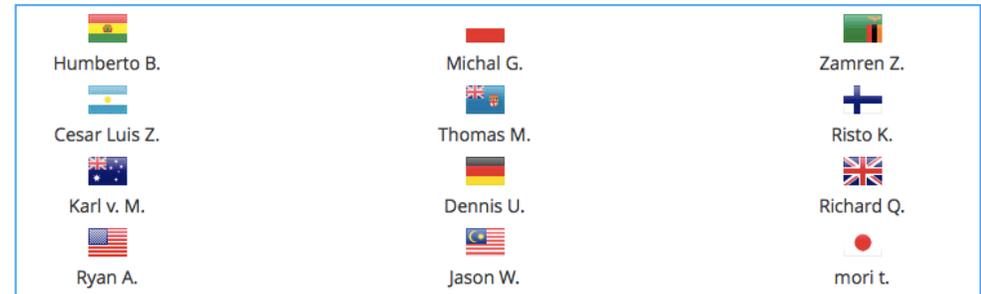


- RIPE NCC is financially supporting projects that benefit Internet community (250,000 Euro)
- Info: <https://www.ripe.net/support/cpf/ripe-ncc-community-projects-fund>
- Deadline: 26 June

RIPE Atlas Community Participation



- 19,000 probes given to **volunteers / hosts**
 - out of that, 10,000+ active
- 36,000 **users**
- 311 anchors hosted by **operators**
- On average five **sponsors** every year
- 400+ **ambassadors**, at many conferences
 - <https://atlas.ripe.net/landing/get-involved/>
 - <https://atlas.ripe.net/get-involved/community/>





Get Involved!

- Use RIPE Atlas for your operations: monitoring, troubleshooting, measuring
- Do scientific research
- Participate in a webinar
- Add multi-lingual content
- Become an ambassador or a sponsor
- Host a RIPE Atlas anchor
- Place a probe in a new exotic location

More info & contacting RIPE Atlas



- <https://atlas.ripe.net>
- Use cases and updates: <https://labs.ripe.net/atlas>
- Mailing list for active users:
 - ripe-atlas@ripe.net
 - <https://www.ripe.net/participate/mail/forum/ripe-atlas>
- Questions: atlas@ripe.net
- Twitter: [@RIPE_Atlas](https://twitter.com/RIPE_Atlas) and [#RIPEAtlas](https://twitter.com/hashtag/RIPEAtlas)