



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC UPDATE



Welcome to RIPE NCC Days Baltics

RIPE NCC Staff at This Meeting



Noëlle
Starliper



Kajal
Ince



Vahan
Hovsepyan



Alex
Semenyaka



Kjerstin
Burdiek



Hisham
Ibrahim



Joanna
Huang



Ulka
Athale



Romain
Bosc



Anastasiya
Pak



Martyn
Morrison



Andrea
di Menna



Beatriz
Negreiros



Anna
Pronicheva



Huw
Davies



Jeremy
Walder



Adonis
Stergiopoulos



Ties
de Kock



Emile
Aben

RIPE NCC Executive Board Members at This Meeting



**Piotr
Strzyżewski**



**Sander
Steffann**



Speak to the RIPE NCC Registry and Member Services Desk during breaks



Our team can help with RIPE NCC membership and IP resources questions you have



The RIPE NCC



- Formed in 1989
- Community
- Open to all
- Information exchange
- Technical coordination
- Policy development



- Formed in 1992
- Membership organisation
- Run by RIPE NCC staff and the Executive Board elected by members
- Provides services
- Implements policies



Four anchors to guide our strategy:

1. Guarantee uniqueness and build trust

- Ensure the uniqueness of Internet number resources.
- Demonstrate trust through neutrality, transparency, resilience and authoritative data.

2. Provide responsible stewardship

- Contribute to the Internet's security, resilience, scalability and stability by supporting open standards, promoting best practices and capacity-building efforts.
- Focus on technical integrity: IPv6 deployment, RPKI, routing security and interconnection.

3. Be a source of authoritative data

- Provide high-quality and neutral measurements through our platforms and tools.

4. Engage members and renew our community

- Foster inclusive participation and invest in the next generation of leaders.
- Maintain open, transparent, bottom-up governance that reflects stakeholder needs.

Why is Engagement Important?



- We need dialogues with our members and community so we know how to develop our services and carry out our activities
 - This is key to maintaining trust
 - It also helps us to deal with complex issues
- Dialogue is part of a thriving membership and community
 - Everything about RIPE and the RIPE NCC has emerged from this idea - collaboration, discussion, sharing ideas, arriving at consensus
 - These dialogues should to be open to everyone

How to Engage



- Working Group Mailing Lists and Member Discuss
 - <https://www.ripe.net/participate/mail/ripe-mailing-lists>
 - <https://www.ripe.net/participate/member-support/membership-mailing-lists>
- The RIPE NCC Forum
 - Anyone with an email address can sign up and participate
 - This is an inclusive, modern way for people to talk to us and to each other
 - <https://forum.ripe.net/>
- RIPE Labs
 - <https://labs.ripe.net/contributing-to-ripe-labs/>
- We host Open Houses on important topics and convene biannual General Meetings



Registry

reg-nr: in the RIPE Database



We have implemented the reg-nr: attribute in the **RIPE Database**, making it easier to clearly identify organisations.

Highlight RIPE NCC managed values

organisation:	ORG-RIEN1-RIPE
org-name:	Reseaux IP Europeens Network Coordination Centre (RIPE NCC)
country:	NL
org-type:	LIR
descr:	RIPE NCC Operations
address:	P.O. Box 10096
address:	1001 EB
address:	Amsterdam
address:	NETHERLANDS
phone:	+31205354444
fax-no:	+31205354445
e-mail:	ncc@ripe.net
reg-nr:	40539632
admin-c:	MEN1-RIPE
admin-c:	MDIR-RIPE
abuse-c:	ops4-ripe
mnt-ref:	RIPE-NCC-HM-MNT
mnt-ref:	RIPE-NCC-MNT
mnt-by:	RIPE-NCC-HM-MNT
mnt-by:	RIPE-NCC-MNT
created:	2012-03-09T13:21:52Z
last-modified:	2026-04-29T05:33:27Z
source:	RIPE

LOGIN TO UPDATE

https://labs.ripe.net/author/marco_schmidt/making-resource-holders-easier-to-identify-introducing-reg-nr-in-the-ripe-database/

ASPA in the RPKI Dashboard



ASPA is now available in the **RIPE NCC RPKI Dashboard**, adding a way to express and validate your upstream relationships on top of ROA-based origin validation.

ASPA in the RPKI Dashboard: A New Layer of Routing Security

Tim Bruijnzeels
10 min read — 15 Dec 2025

bgp rpk routing operational

86 ❤️ 0 💬 🔄 📌

ASPA is now available in the RIPE NCC RPKI Dashboard, adding a way to express and validate your upstream relationships on top of ROA-based origin validation. Building on its introduction at RIPE 91, this article explains what ASPA does, why it matters, and how to start thinking about deployment.

More from this author [View more](#)

Dishing up Krill

https://labs.ripe.net/author/tim_bruijnzeels/aspa-in-the-rpki-dashboard-a-new-layer-of-routing-security/



Measurement Tools



RIPE Atlas

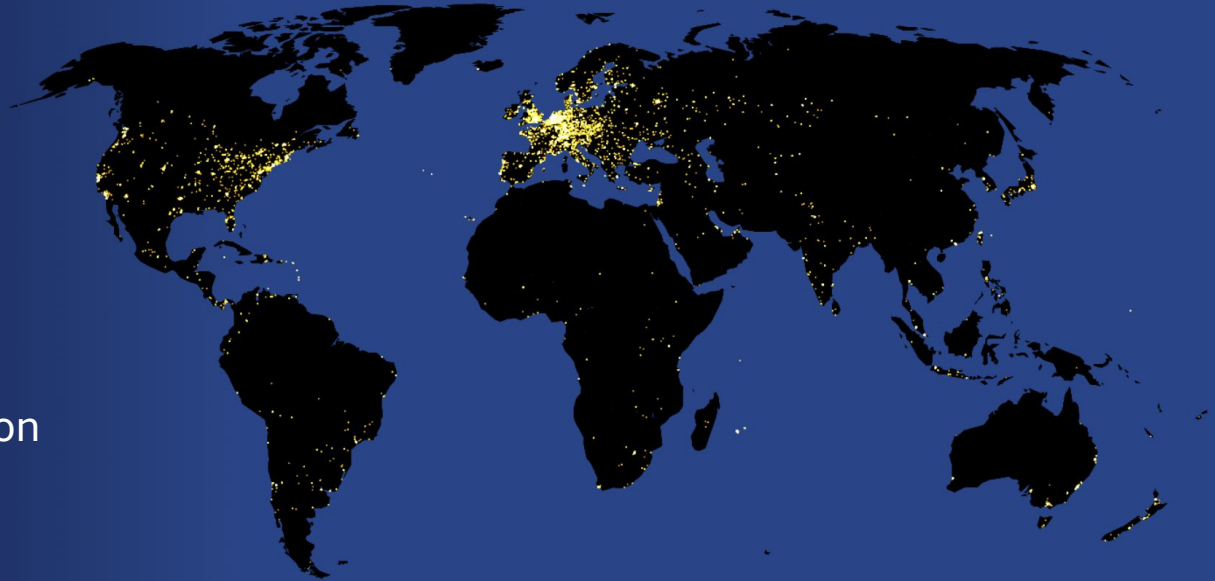
A global network of probes measuring the Internet in real time

13,400+ probes connected

800+ anchors deployed

35,000+ daily measurements on average (both user-defined and built-in)

<https://atlas.ripe.net/>



Visualise Traceroute Changes in RIPE Atlas



RIPE Atlas now includes a new path analysis tool.

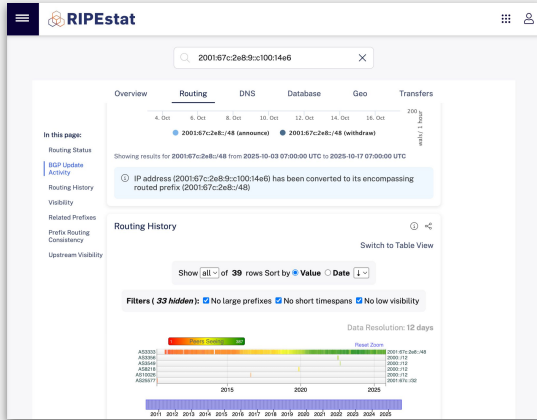
This makes it easier to understand how traceroute paths evolve over time.

By comparing runs side by side, it highlights where the path changed and what kind of change it was.



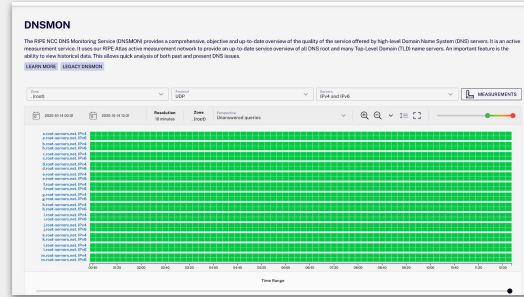


RIPEstat



<https://stat.ripe.net/>

DNSMON



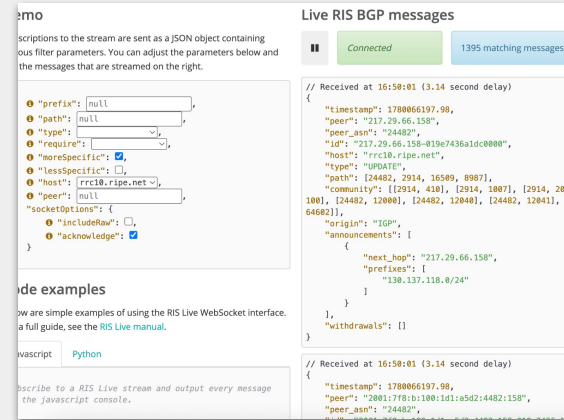
<https://dnsmon.ripe.net/>

RIPE IPmap



<https://ipmap.ripe.net/>

RIS



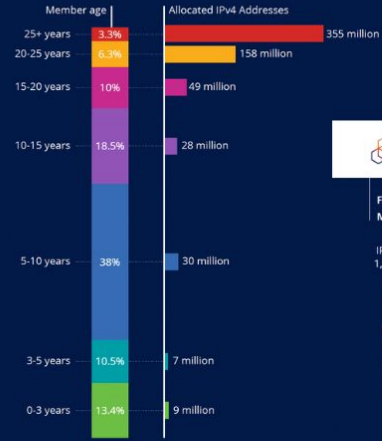
<https://ris.ripe.net/>



Research & Data Insights



Figure 1: Member Age and IPv4 Resource Distribution

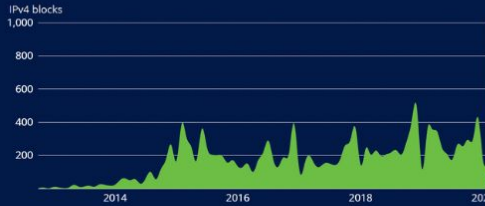


The State of IPv4 and Resource Distribution

This section looks at the distribution of IPv4 resources among RIPE NCC members. The RIPE NCC is the Regional Internet Registry (RIR) for Europe, the Middle East and Central Asia. By becoming a member, an organisation can request (IPv6, IPv4, ASNs) resources from the RIPE NCC. While a member can easily get IPv6 addresses and AS Numbers, it is no longer possible to get IPv4 addresses directly. A new member needs to wait until addresses are returned to the RIPE NCC and become available via the waiting list.



Figure 3: Monthly Policy IPv4 Transfers (within the RIPE NCC)



Transfer Dynamics

Figure 3 shows the number of IPv4 blocks transferred each month since the first transfer policies were set by the RIPE community. At the beginning of the observed period, the number of transfers gradually increased, with some fluctuations, indicating an initial rise in market demand. Over the past two to three years, transfer volumes have remained high, although substantial fluctuations suggest that ongoing demand is influenced by changing market conditions.

It is important to note that the above graph does not only reflect movements within the IPv4 Transfer Market, as it can also include transfers related to changes in the business structure of organisations or transfers between different LIRs belonging to the same organisation. Generally, resource holders request updates to resources as part of changing their business structure, e.g., a merger or acquisition. However, some companies choose to process updates as policy transfers for convenience.

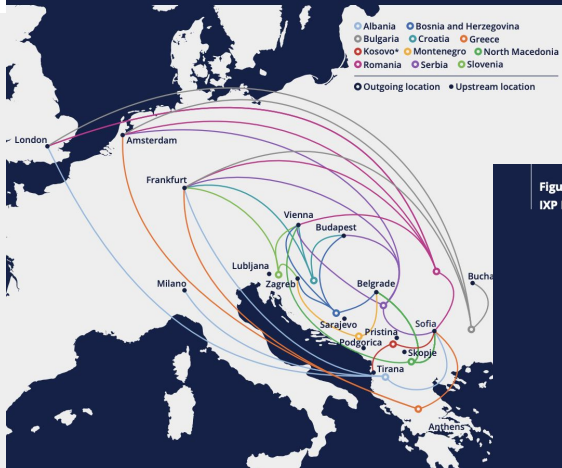


June 2025

The State of IPv4 and the Evolving Transfer Landscape Report



Figure 14:
Key Interconnection Hubs for Top SEE Operators



total paths (3%) traversed a SEE IXP but also left the region before returning. Our data further indicates that international hubs in Western and Central Europe, such as Vienna and Frankfurt, continue to play a significant role in interconnecting some SEE networks. As a disclaimer, we acknowledge that the distribution of RIPE Atlas probes across the SEE region is uneven, which impacts the number of observed paths.

To verify these findings, we looked at which IXP locations the top SEE operators were connecting. As

Figure 1:
IXP Landscape in South East Europe



Today, the SEE region hosts more than twenty active IXPs, improving regional connectivity and reducing reliance on costly international transit routes (Figure 1). Larger markets such as in Romania, Bulgaria and Greece have seen the emergence of multiple IXPs, while smaller markets typically operate a single exchange.

RIPE NCC

October 2025

Unlocking Digital Growth:
The role of Internet Exchange
Points (IXPs) in South East Europe



Capacity Building



**Follow an online course in the
RIPE NCC Academy for free**

IPv6 Advanced

IPv6 Fundamentals

IPv6 Security

BGP Security

RIPE Database

Internet Governance

LIR Fundamentals

**And take a RIPE NCC Academy
Certification exam!**



academy.ripe.net

Our Events in 2026



- 01** SEE 14
Belgrade, Serbia
21-22 April
- 02** RIPE 92
Edinburgh, Scotland
18-22 May
- 03** RIPE NCC Days Baltics
Riga, Latvia
3-4 June
- 04** CAPIF 5
Dushanbe, Tajikistan
24-25 September
- 05** RIPE 93
Sofia, Bulgaria
26-30 October



A large graphic element consisting of two stylized 'X' shapes formed by overlapping lines in black, maroon, blue, yellow, and light green. The lines are thick and have a slight 3D effect.

Join us at

A dark blue rectangular box with a white background, containing the event details.

RIPE 93
Sofia, Bulgaria
26 - 30 Oct 2026



Save the date: 24-28 May 2027 in Vilnius, Lithuania

We'll be back in the Baltic countries next year!

The conversations we have at this meeting can help shape the discussions next year, so please share your input!

And please speak to us if you/your organisation would like to be involved at RIPE 94 in any way



Questions & Comments



hmi@ripe.net

THANK YOU!