



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPEstat

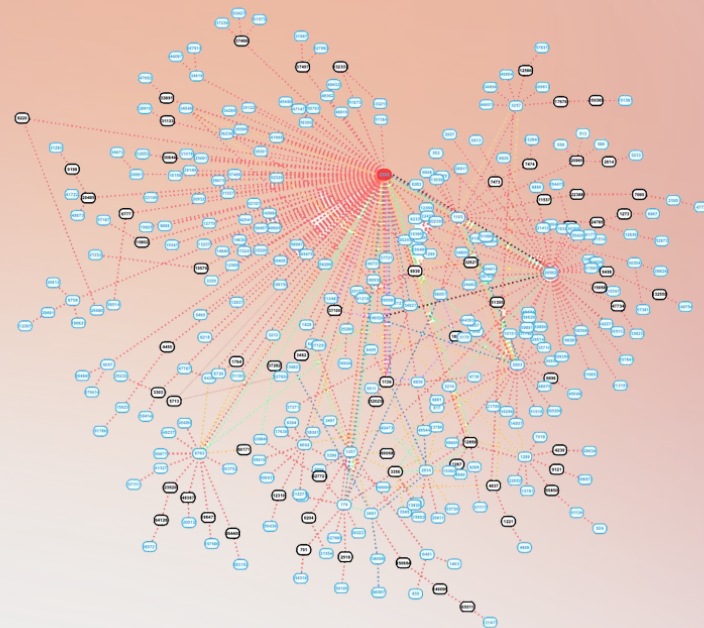
Insight into Internet Infrastructure

What is RIPEstat?



Information service for Internet-related data and analytics

- **RIPEstat offers:**
 - Information on IP address space and Autonomous System Numbers (ASNs)
 - Statistics on specific hostnames and countries
 - Visualisations of Internet routing
- **All in a centralised place**



How RIPEstat Works



RIPEstat pulls data from a variety of sources, including:

- The RIPE Database (for ownership and contact information)
- Routing registries (e.g., RIPE IRR)
- DNS and reverse DNS systems
- Live and historical BGP data (RIPE RIS)
- Regional Internet Registries and IANA

More details at:

<https://stat.ripe.net/data-sources>

What Can RIPEstat Do For You?



Analyse routing
and network health



Check routing security
and RPKI validation



Analyse network outages
and anomalies

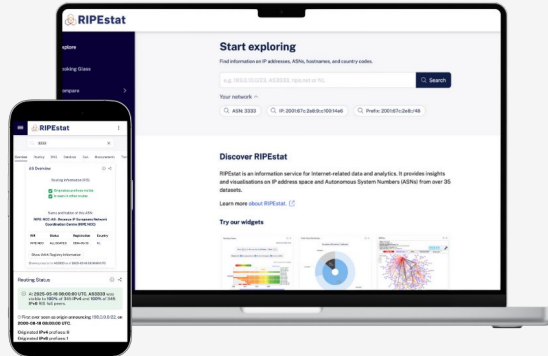


Have a real-time
Looking Glass

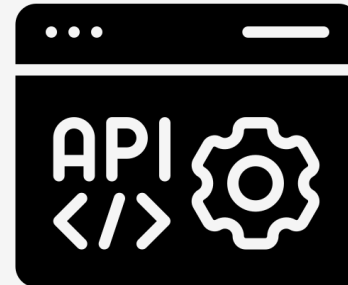
How to Access RIPEstat



User Interface (UI)



API

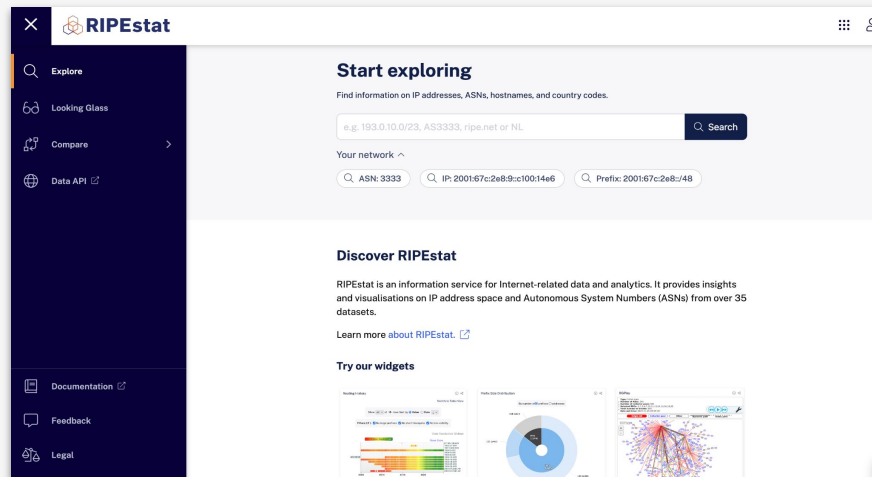




Get started with RIPEstat



- Search by IP address/prefix (IPv4, IPv6), ASN, country code or fully qualified domain name (FQDN)
- Suggestions are pulled from your network or randomly





Information grouped on the top through tabs

- Find information on:
 - Routing
 - DNS
 - Database
 - Geolocation
 - Measurements
 - Transfers

The screenshot displays the RIPE NCC website interface for AS3333. At the top, there is a search bar containing '3333' and a navigation menu with tabs for Overview, Routing, DNS, Database, Geo, Measurements, and Transfers. The 'Overview' tab is active.

AS Overview

Routing information (RIS)

- ✓ Originates prefixes visible
- ✓ Is seen in other routes

Name and holder of this ASN:
RIPE-NCC-AS - Reseaux IP Europeens Network Coordination Centre (RIPE NCC)

RIR	Status	Registration	Country
RIPE NCC	ALLOCATED	1994-05-19	NL

Show IANA Registry Information

Showing results for AS3333 as of 2025-05-11 08:00:00 UTC

Abuse Contact

abuse@ripe.net

Showing results for AS3333

Please note that a report sent to the above email address might not reach the correct contact. If an abuse contact appears to be invalid or missing, please report it to the relevant RIR of this resource (RIPE NCC).

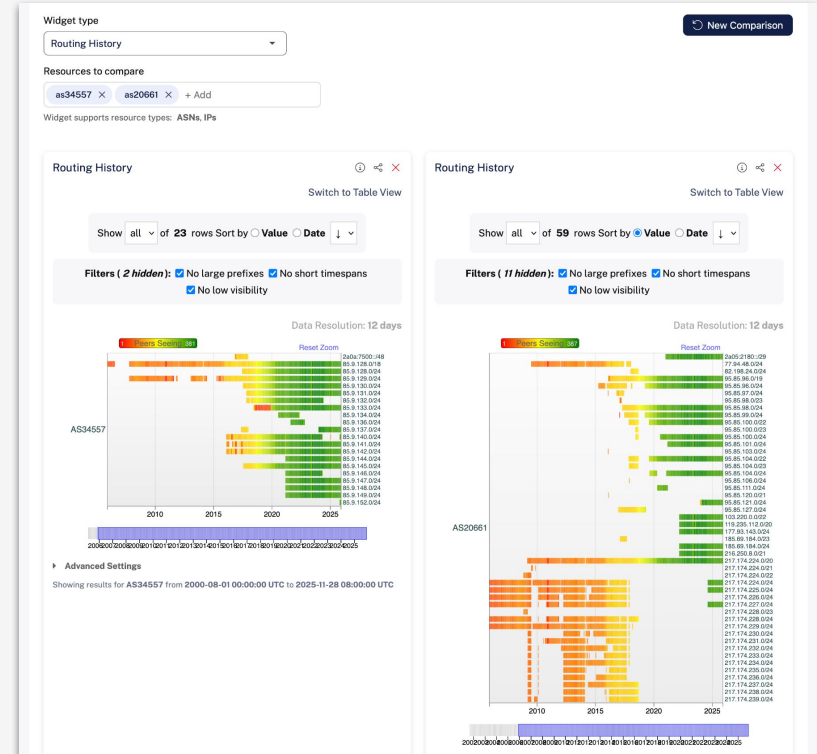
Maxmind GeoLite

Use Cases: Resource Comparison



Analyse and compare statistics

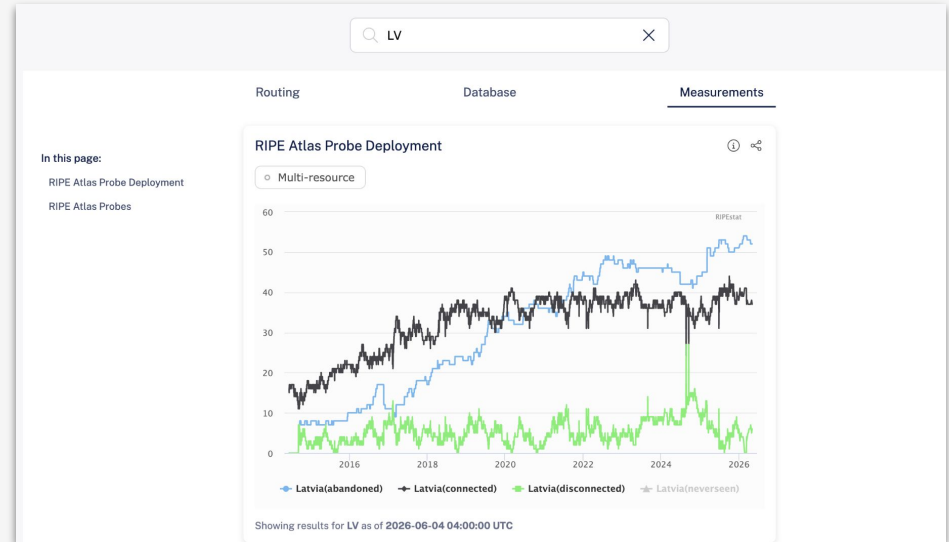
View the same variable (dataset) for multiple resources at the same time





Country statistics

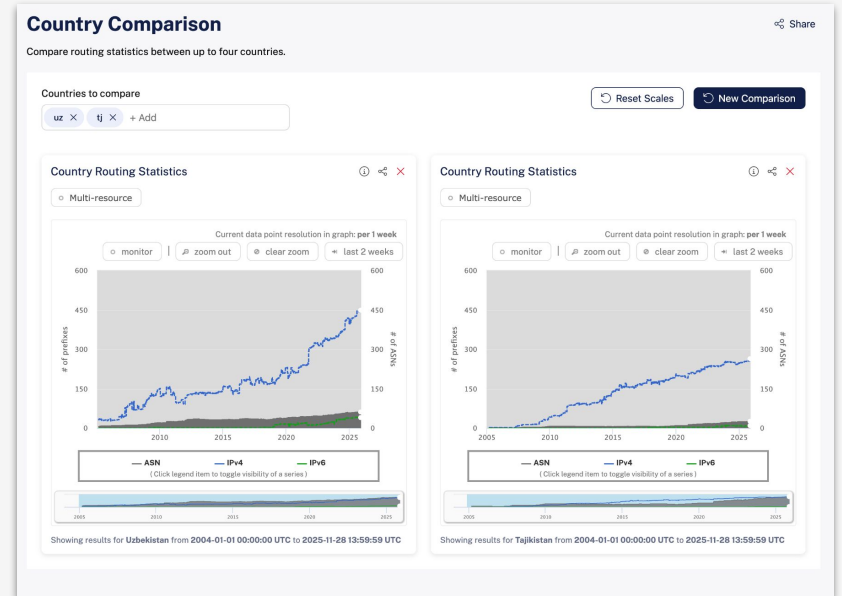
- Routing per country
- RPKI deployment
- ASNs and resource list
- RIPE Atlas probe deployment



Use Cases: Country Comparison



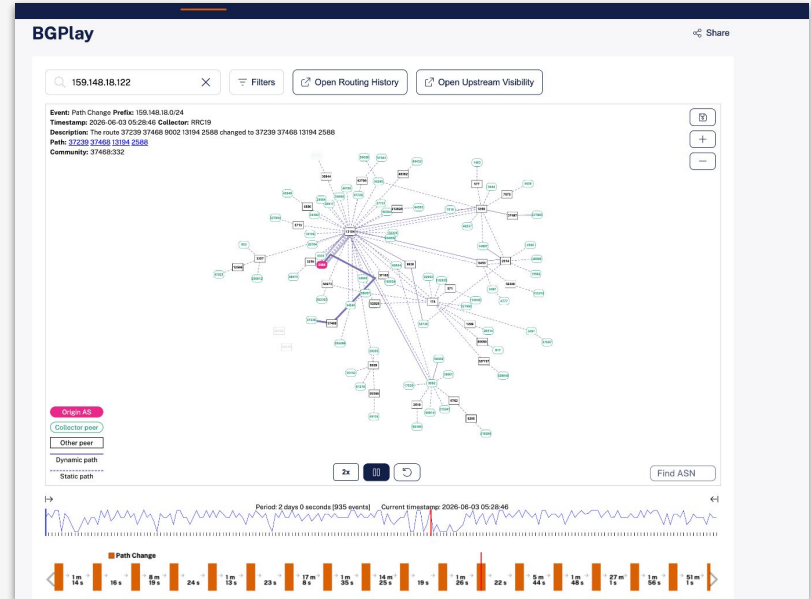
Compare routing statistics of up to four countries



Use Cases: BGPlay



- BGPlay shows the routing history related to a specific set of resources (prefixes, Autonomous Systems, IPs)
- BGPlay visualises changes in BGP announcements for a specific destination over time
- As seen by RIS



Use Cases: Routing Consistency



- Routing Consistency compares:
 - objects in Routing Registries with observed real-world routing (seen by RIS)
 - RPKI validation status where applicable



AS Routing Consistency

Prefixes Imports Exports

Show 25 entries Search:

prefix	In BGP (RIS)	RIPE IRR	Other IRRs	RPKI	VRP
193.0.0.0/21	yes	yes	no	😊	/21
193.0.10.0/23	yes	yes	no	😊	/23
193.0.12.0/23	yes	yes	no	😊	/23
193.0.18.0/23	yes	yes	no	😊	/23
193.0.20.0/23	yes	yes	no	😊	/23
193.0.22.0/23	yes	yes	no	😊	/23
193.230.194.0/24	no	no	no	😊	/24
2001:610:240::/42	no	no	no	😊	/42
2001:67c:2e8::/48	yes	yes	no	😊	/48
2a13:27c0:10::/44	no	no	no	😊	/44
2a13:27c0::/29	no	no	no	😊	/48

Showing 1 to 11 of 11 entries

Use Cases: Consistency Comparison



Compare the consistency of reverse DNS and routing data for a given resource



Consistency Comparison

Compare the consistency of reverse DNS and routing data for a given resource.

ASN or prefix to compare: 3333

AS Routing Consistency

Prefixes Imports Exports

10 per page Search...

Prefix	BGP (RIS)	IRR Sources	RPKI	VRP
193.0.0.0/21	✓	RIPE	☺	/21
193.0.10.0/23	✓	RIPE	☺	/23
193.0.12.0/23	✓	RIPE	☺	/23
193.0.18.0/23	✓	RIPE	☺	/23
193.0.20.0/23	✓	RIPE	☺	/23
193.0.22.0/23	✓	RIPE	☺	/23
193.230.194.0/24	✗	✗	☺	/24
2001:610:240::/42	✗	✗	☺	/42
2001:67c:2e8b::/48	✓	RIPE	☺	/48
2a13:27c0::/29	✗	✗	☺	/48

Showing 1 to 10 of 11 entries

Showing results for 3333 from 2026-06-03 00:00:00 to 2026-06-03 00:00:00

Reverse DNS Consistency

IPv4 IPv6 Check All Domains

10 per page Search...

Prefix	rDNS Domain	RIPE Registry	DNS Check	Checked (UTC)
193.0.0.0/21	0.0.193.in-addr.arpa	✓ yes	⚠ warning	2026-06-04 04:53:22
193.0.0.0/21	1.0.193.in-addr.arpa	✓ yes	✓ ok	2026-06-04 04:53:22
193.0.0.0/21	2.0.193.in-addr.arpa	✓ yes	⚠ warning	2026-06-04 04:53:22
193.0.0.0/21	3.0.193.in-addr.arpa	✓ yes	✓ ok	2026-06-04 04:53:22
193.0.0.0/21	4.0.193.in-addr.arpa	✓ yes	✓ ok	2026-06-04 04:53:22
193.0.0.0/21	5.0.193.in-addr.arpa	✓ yes	✓ ok	2026-06-04 04:53:22
193.0.0.0/21	6.0.193.in-addr.arpa	✓ yes	⚠ warning	2026-06-04 04:53:22
193.0.0.0/21	7.0.193.in-addr.arpa	✓ yes	✓ ok	2026-06-04 04:53:18
193.0.10.0/23	10.0.193.in-addr.arpa	✓ yes	⚠ warning	2026-06-04 04:53:22
193.0.10.0/23	11.0.193.in-addr.arpa	✓ yes	✓ ok	2026-06-04 04:53:23

Showing 1 to 10 of 18 entries

Showing results for 3333 as of 2026-06-04 04:51:00

Looking Glass



- Real-time data as seen by RIS
- Filter anywhere in AS Path
- Include/exclude filters
- See communities

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



IP address (159.148.18.122) has been converted to its encompassing routed prefix (159.148.18.0/24)

Looking Glass

Share

159.148.18.122

Filter anywhere in AS Path

Include 3356 Add

Exclude + Add

34 filtered peers (of 352) announcing **159.148.18.0/24** originated by **2588** and seen by **16 RRCs**

AS Path	2497 3356 13194 2588
Communities	-
Large Communities	-
Extended Communities	-
Origin	IGP
Next Hop	198.32.160.42
Peer	198.32.160.42 at RRC11 (NYIX in New York City, New York, US)
Last Updated	2026-05-30T07:04:46Z

AS Path	2914 3356 13194 2588
Communities	2914:420 2914:1203 2914:2201 2914:3200
Large Communities	-
Extended Communities	-
Origin	IGP
Next Hop	195.66.224.138
Peer	195.66.224.138 at RRC01 (LINX / LONAP in London, United Kingdom)
Last Updated	2026-05-12T09:47:50Z

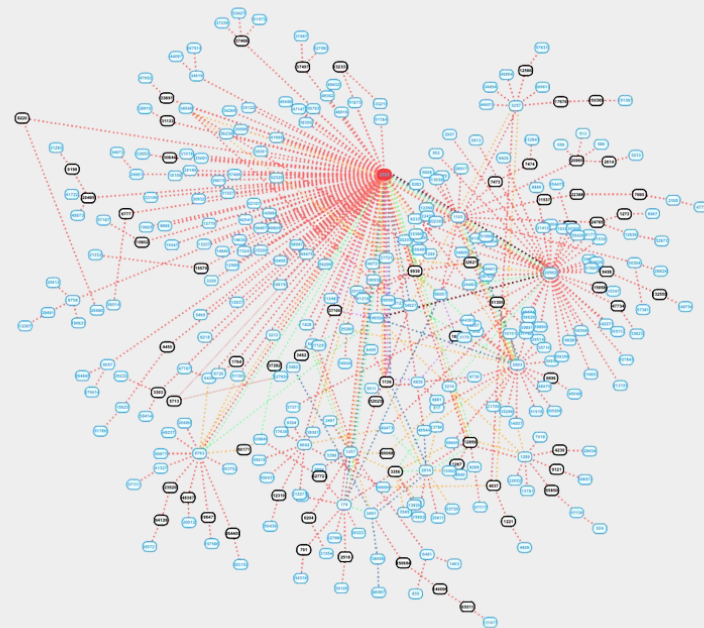
AS Path	2914 3356 13194 2588
Communities	2914:420 2914:1008 2914:2000 2914:3000
Large Communities	-
Extended Communities	-
Origin	IGP

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Questions & Comments



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