



APNIC RPKI Updates

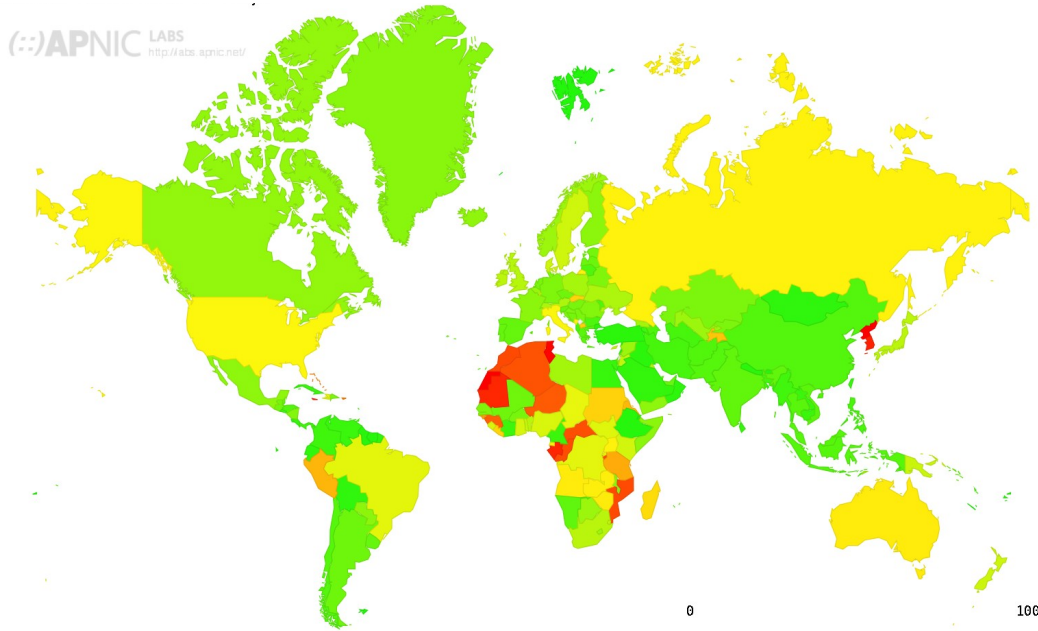
Routing Security SIG

[#apnic62](#)

MUMBAI, INDIA
4 - 10 September 2026



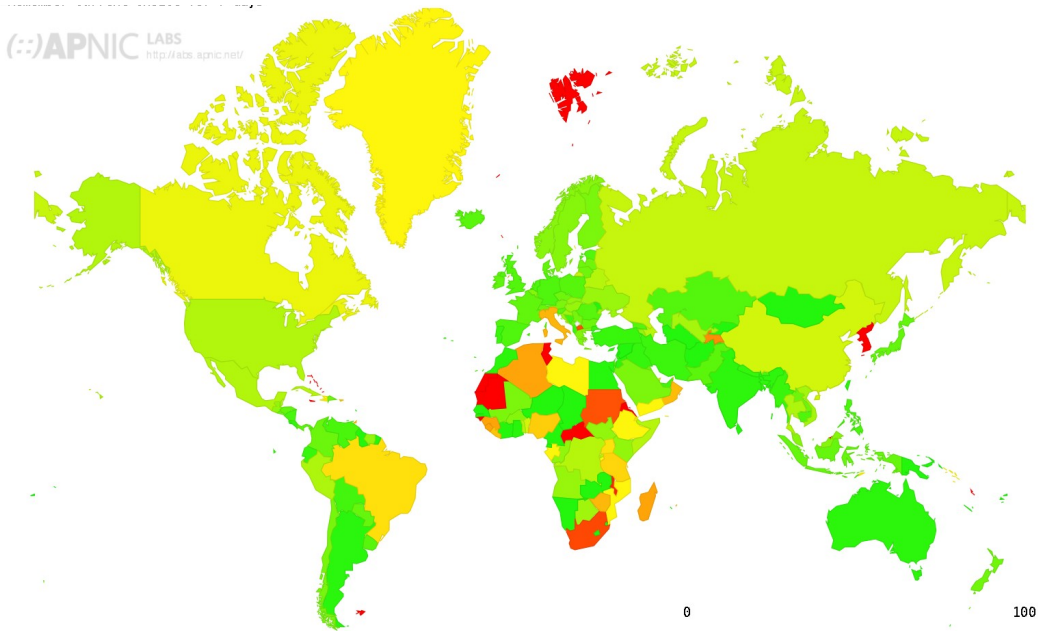
RPKI Coverage - ROAs - IPv4



Region/ RIR	Valid	Not found	Invalid	Change since Feb 2026
Global	68.6%	30.3%	1.1%	+~8%
AFRINIC	61.8%	36.7%	1.5%	+~5%
APNIC	77.6%	21.6%	0.8%	+~22%
ARIN	57.3%	41.7%	1.0%	+~5%
LACNIC	69.2%	29.8%	1.0%	+~3%
RIPE	78.3%	20.4%	1.3%	+~4%

<https://rpki-monitor.antd.nist.gov>

RPKI Coverage - ROAs - IPv6



Region/ RIR	Valid	Not found	Invalid	Change since Feb 2026
Global	77.3%	19.3%	3.4%	+~17%
AFRINIC	54.4%	44.3%	1.3%	+~6%
APNIC	87.3%	8.8%	3.9%	+~42%
ARIN	74.8%	22.1%	3.1%	+~3%
LACNIC	61.3%	36.5%	2.2%	+~2%
RIPE	80%	15.7%	4.3%	--1.5%

<https://rpki-monitor.antd.nist.gov>

RPKI Coverage - ROAs - APAC - IPv4

Region	Valid	Not found	Invalid	Change since Feb 2026
Oceania	75.1%	24.6%	0.3%	+~1%
East Asia	69.0%	30.8%	0.2%	+~38%
South Asia	90.2%	9.4%	0.4%	Unchanged
Southeast Asia	92.3%	7.4%	0.3%	Unchanged

<https://stats.labs.apnic.net/roa>

RPKI Coverage - ROAs - APAC - IPv6

Region	Valid	Not found	Invalid	Change since Feb 2026
Oceania	97.5%	2.3%	0.2%	Unchanged
East Asia	60.6%	39.4%	0.0%	+~38%
South Asia	97.9%	1.8%	0.3%	+~1%
Southeast Asia	80.2%	18.1%	1.7%	+~2%

<https://stats.labs.apnic.net/roa>

RPKI Coverage - ROAs - East Asia - IPv4

Economy	Valid	Not found	Invalid	Change since Feb 2026
CN 	82.8%	16.9%	0.3%	+~78%
HK 	77.5%	22.2%	0.3%	+~5%
JP 	81.0%	18.9%	0.1%	+~6%
KP 	0.0%	20.0%	80.0%	-~14%
KR 	3.0%	97.0%	0.0%	Unchanged
MN 	98.9%	9.1%	0.1%	+~2%
MO 	94.1%	5.9%	0.0%	Unchanged
TW 	98.1%	0.3%	1.6%	+~3%

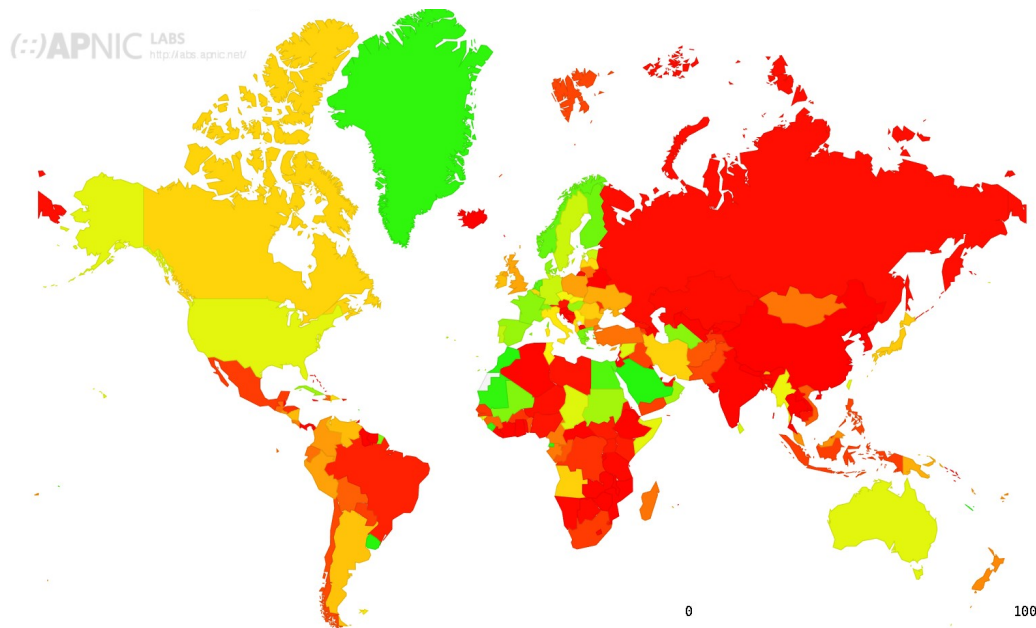
<https://stats.labs.apnic.net/roa>

RPKI Coverage - ROAs - East Asia - IPv6

Economy	Valid	Not found	Invalid	Change since Feb 2026
CN 	60.0%	40.0%	0.3%	+~59%
HK 	90.5%	9.3%	0.2%	+~5%
JP 	85.3%	14.7%	0.0%	Unchanged
KP 	N/A	N/A	N/A	N/A
KR 	0.2%	99.8%	0.0%	Unchanged
MN 	100.0%	0.0%	0.0%	Unchanged
MO 	100.0%	0.0%	0.0%	Unchanged
TW 	98.4%	1.2%	0.4%	Unchanged

<https://stats.labs.apnic.net/roa>

RPKI ROV - Global Snapshot

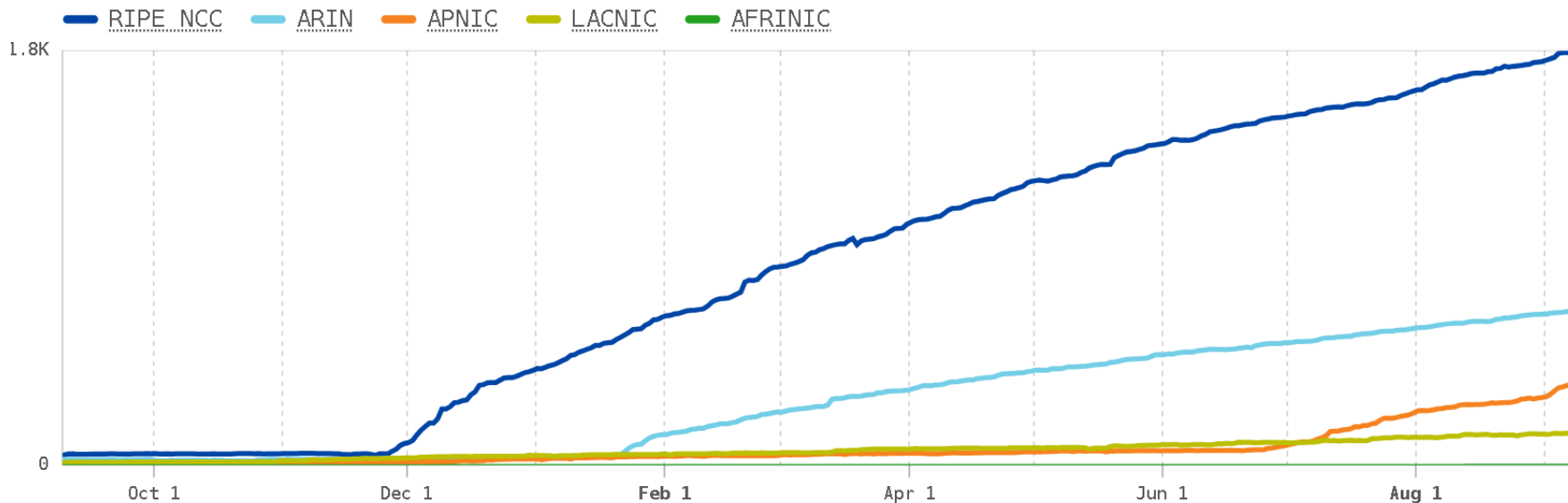


Region/RIR	ROV	Change since Feb 2026
Global	27.1%	Unchanged
AFRINIC	22.3%	--5%
APNIC	15.5%	+~2%
ARIN	54.5%	--6%
LACNIC	19.9%	+~6%
RIPE	44.4%	+~9%

<https://stats.labs.apnic.net/rpki>

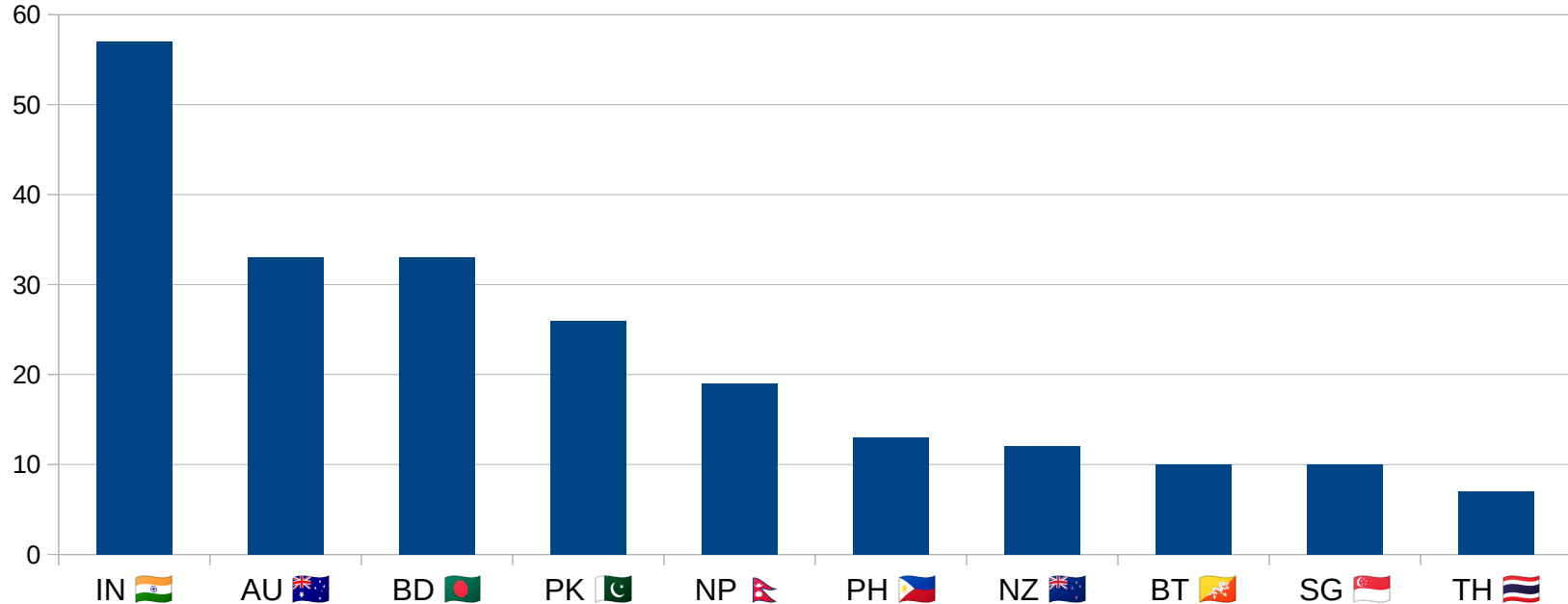
RPKI Coverage - ASPAs

Number of RPKI ASPA entries over time ? 🔗 ⋮



<https://radar.cloudflare.com/routing/rpki>

RPKI Coverage - ASPAs - APAC



ASPA Deployment

- Deployed in late June
 - First objects created by real members on 25 June
- Adoption has been increasing steadily since that time
 - 293 ASPAs at APNIC
 - 257 from APNIC-hosted CAs
 - 36 from delegated CAs
 - 2,902 ASPAs across all RIRs

ASPA Deployment - Suggestions

- The APNIC-hosted interface provides suggestions based on RIPE's Routing Information Service:
 - <https://stat.ripe.net/data/asn-neighbours/data.json?resource=...>
- Corresponds to route suggestion functionality in route management
- These are probabilistic, and must be reviewed, but are more likely to be over-inclusive than under-inclusive

Import ASPA from BGP AS_PATHs

ASPA import suggestions are based on data from [RIPE's RIS](#). That service relies on BGP observations in order to generate the data, which means that the suggestions may not be correct in all cases. Please review the suggestions carefully.

Select ASPA to be imported:

Show entries Search:

	Customer AS	Providers
☒	4643	32787, 7474
☒	4778	4826, 49915
☒	4804	17719, 7474
☒	7474	1221, 137409, 148968, 286, 3257, 3356, 38195, 45177, 7473, 7545

Showing 1 to 4 of 4 entries 4 rows selected

ASPA Deployment - BGP Validation

- The APNIC-hosted interface also validates submitted changes, by checking how observed paths in BGP will be affected
- Corresponds to BGP route validation functionality in route management
- Feedback on suggestions and validation in particular would be appreciated

BGP validation results					
ASPA BGP validation is based on BGP observations from multiple sources, such as RIPE's RIS and RouteViews .					
BGP AS_PATH validation warning: If the requested changes are made, the following BGP AS_PATH will become "unknown" or/and "invalid". Are you sure you want to commit these changes?					
Customer AS	BGP AS_PATH	Receiving ASN	Verification Algorithm	Current Status	New Status
24555	6453, 4755, 24555	7018	upstream	UNKNOWN	INVALID
24555	9498, 55352, 24555	174	upstream	UNKNOWN	INVALID
24555	835, 174, 9498, 55352, 24555	N/A	downstream	UNKNOWN	INVALID

DASH – ASPA Status

- DASH, APNIC's Network Health Dashboard, is available for all APNIC Members at dash.apnic.net
- On the new ASPA status page, Members can review the current ASPA status of their ASNs and the ASNs originating their prefixes.
- The Routing status dashboard page has also been updated with ASPA status information.

DASH – New ASPA status page

APNIC

DASH « ASPA status Member account: MEMBER-AP

Review ASPA coverage for your Internet number resources

Check ASPA object coverage in your network to prevent route leaks, forged-origin attacks, and forged-path attacks.

Your ASNs

- AS65001 - ASPA not published
- AS65002 - ASPA published (upstream has no published ASPA)
 - Provider ASNs from ASPA:
 - AS65005 - ASPA not published
- AS65003 - ASPA published
 - Provider ASNs from ASPA:
 - AS65002 - ASPA published
- AS65004 - ASPA published
 - Provider ASNs from ASPA:
 - AS65002 - ASPA published

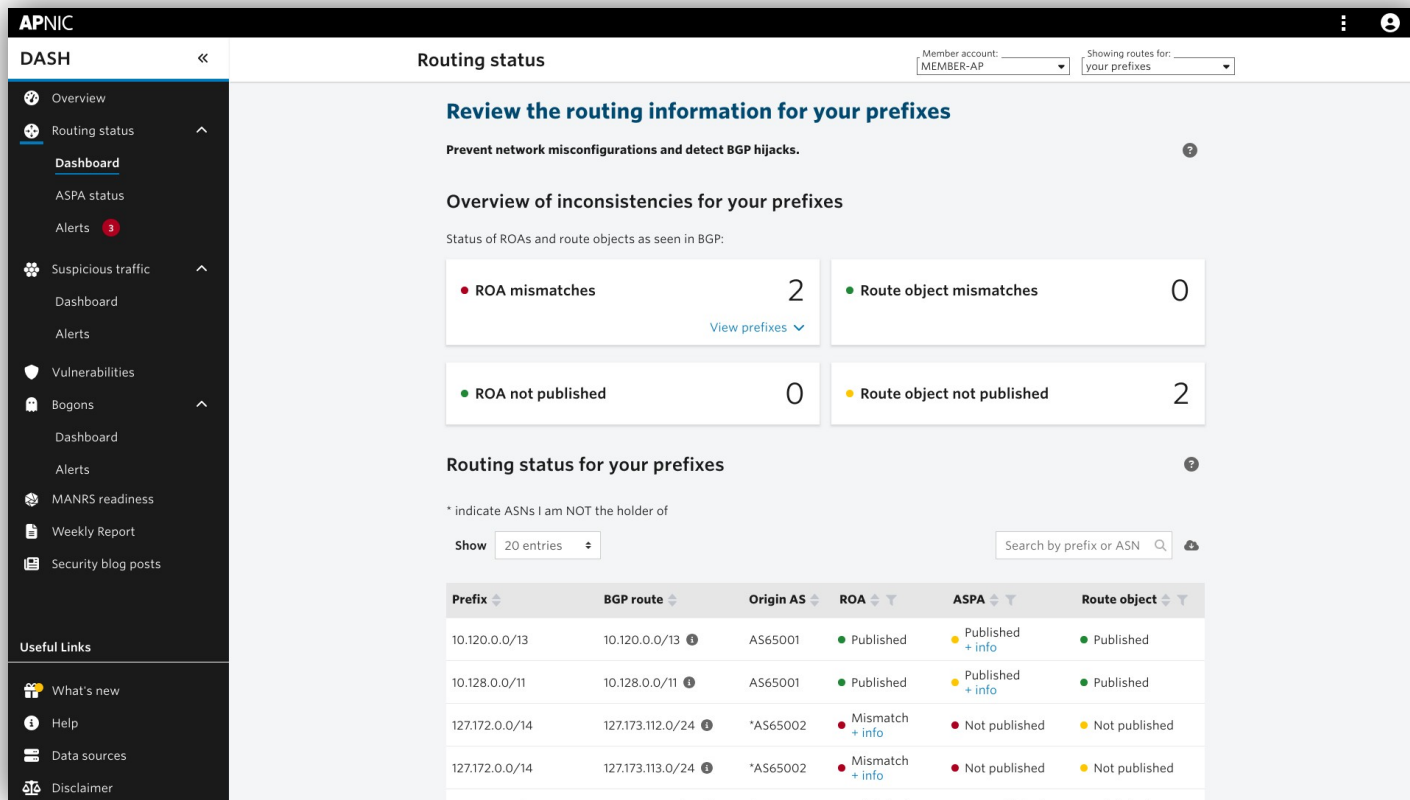
Other ASNs originating your prefixes

- AS65005 - ASPA not published
- AS65006 - ASPA not published

Useful Links

- What's new
- Help
- Data sources
- Disclaimer

DASH – ASPA column in Routing status



The screenshot shows the APNIC DASH interface. The left sidebar contains navigation links: Overview, Routing status (selected), Dashboard, ASPA status, Alerts (3), Suspicious traffic, Vulnerabilities, Bogons, MANRS readiness, Weekly Report, and Security blog posts. The main content area is titled 'Routing status' and includes a 'Review the routing information for your prefixes' section with a sub-header 'Prevent network misconfigurations and detect BGP hijacks.' Below this is an 'Overview of inconsistencies for your prefixes' section showing the status of ROAs and route objects as seen in BGP. It displays four metrics: ROA mismatches (2), Route object mismatches (0), ROA not published (0), and Route object not published (2). A 'View prefixes' link is provided for the ROA mismatches. The 'Routing status for your prefixes' section includes a search bar and a table of routing data. The table has columns for Prefix, BGP route, Origin AS, ROA, ASPA, and Route object. The ASPA column shows 'Published + info' for the first two rows and 'Not published' for the last two rows.

APNIC

DASH

Routing status

Member account: MEMBER-AP

Showing routes for: your prefixes

Review the routing information for your prefixes

Prevent network misconfigurations and detect BGP hijacks.

Overview of inconsistencies for your prefixes

Status of ROAs and route objects as seen in BGP:

- ROA mismatches: 2
- Route object mismatches: 0
- ROA not published: 0
- Route object not published: 2

[View prefixes](#)

Routing status for your prefixes

* indicate ASNs I am NOT the holder of

Show 20 entries

Search by prefix or ASN

Prefix	BGP route	Origin AS	ROA	ASPA	Route object
10.120.0.0/13	10.120.0.0/13	AS65001	Published	Published + info	Published
10.128.0.0/11	10.128.0.0/11	AS65001	Published	Published + info	Published
127.172.0.0/14	127.173.112.0/24	*AS65002	Mismatch + info	Not published	Not published
127.172.0.0/14	127.173.113.0/24	*AS65002	Mismatch + info	Not published	Not published

APNIC 62

MUMBAI, INDIA

4 – 10 September 2026

#apnic62

