RIPE Tools & Policy Update

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RIPE NCC

- Regional Internet Registry
- IPv4, IPv6, ASN
- WHOIS
- K-root (DNS)
- Research & Measurements

The Regional Internet Registries: AFRINIC, APNIC, ARIN, LACNIC and RIPE NCC.
IPv4 runout - Update

RIPE NCC IPv4 Pool — Last 36 Months
IPv4 runout in the RIPE region

- September 2012 - last /8

- LIR can only receive /22 allocation (1.024 IPv4 addresses)

- Runout before end of 2019!

- Waiting list for new LIRs => /24 (256 IPv4 addresses) when available
IPv4 runout in the RIPE region

By submitting your application you understand and agree that by becoming a member or opening an additional LIR account, you will almost certainly not be able to request a /22 allocation and will have to instead join a waiting list to receive a smaller /24 allocation. The RIPE NCC cannot guarantee when or if you receive such an allocation.
RPKI update

- Resource PKI supported by all RIRs.

- Routing (BGP) security ==> route origin authorisation

- Cryptographically signed authoritative routing data

- Prevent BGP hijacks!
RPKI update (2)

• 2018 Routing Security Review
  - 12.6k incidents
  - 4.4% of all ASNs affected
  - 3k ASNs victims of at least one incident
  - 1.3k ASNs caused at least one incident

source: https://www.bgpstream.com/
Number of resource certificates RIPE region

![Graph showing the number of resource certificates in the RIPE region from 2012 to 2019.]
RPKI deployment Cyprus

- Cyprus: **58.33%** of all IPv4 space covered
- 100% accuracy

Want to know more?

https://ripe.net/rpki

source: https://lirportal.ripe.net/certification/content/static/statistics/world-roas.html
RIPE Atlas Update
RIPE Atlas in action

Kazakhstan government is now intercepting all HTTPS traffic

Starting Wednesday, July 17, 2019, the Kazakhstan government has started intercepting all HTTPS internet traffic inside its borders.

Local internet service providers (ISPs) have been instructed by the local government to force their respective users into installing a government-issued certificate on all devices, and in every browser.

source: https://www.zdnet.com/article/kazakhstan-government-is-now-intercepting-all-https-traffic/
RIPE Atlas in action (2)
RIPE Atlas future

• You can participate!

• Software probes available soon!

• https://atlas.ripe.net/
RIPE Policy Update

• Version 2: 2019-03 RIPE Proposal (Resource Hijacking is a RIPE policy violation)

• Now in ‘discussion phase’

• You can participate in discussion process!

• Subscribe to the RIPE Anti-Abuse Working Group mailing list:

• [https://www.ripe.net/participate/mail/ripe-mailing-lists](https://www.ripe.net/participate/mail/ripe-mailing-lists)
WHOIS database Update

• New update pending: RIPE DB version 1.95.1

• “Filter personal data (address, email and notify attributes) from historical object versions”

• Reason: GDPR compliance

• https://www.ripe.net/manage-ips-and-asns/db/release-notes/ripe-database-release-1.95
RIPE Labs Update

- Platform to share experiences, tools & research
- 120+ articles on security
- labs.ripe.net/security
- You can contribute!
Ripe Stat Update
https://stat.ripe.net/abuse

Abuse Contact Finder (195.14.130.20)

Enter an IP address

Email-Contact
abuse@cytanet.com.cy

Resource information
Information for resource holders

Showing results for 195.14.130.20 as of 2019-09-16 21:36:00 UTC

Please note that there is not guarantee that a report sent to the found email will reach the appropriate contact!
https://stat.ripe.net/abuse

Abuse Contact Finder (104.20.22.173)

Enter an IP address

This resource is outside of the RIPE NCC region

For resources outside of the RIPE NCC region no contact information is provided.

Resource information
Information for resource holders

Showing results for 104.20.22.173 as of 2019-09-16 21:26:00 UTC
Questions