



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Registry Data Quality

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Overview



- What is it and why is it important?
- RIPE Database: Assignment Registrations
- Protecting your resources
- RIPE NCC Support



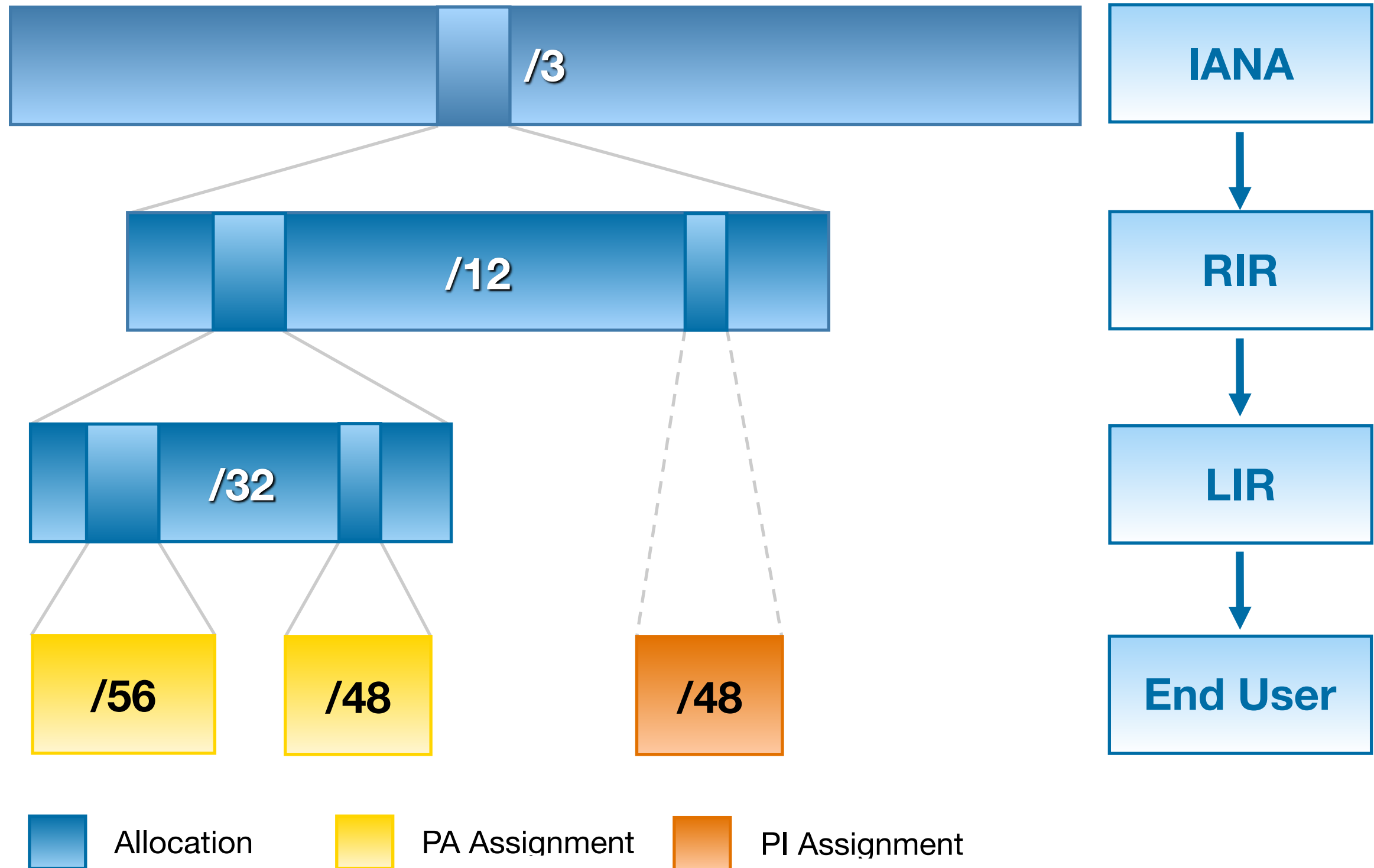
What is Registry Data Quality, Why is it Important?

Resource Registry Data



- Registration information about the holder of a resource and resource holder's contact details
- Increasing external focus on data quality
- Logged in different places:
 - RIPE NCC delegated statistics on <ftp.ripe.net>
 - RIPE Database
- It does not include language, geolocation, routing or rDNS information

Address Distribution





RIPE Database: Assignment Registrations

Why Register Assignments?

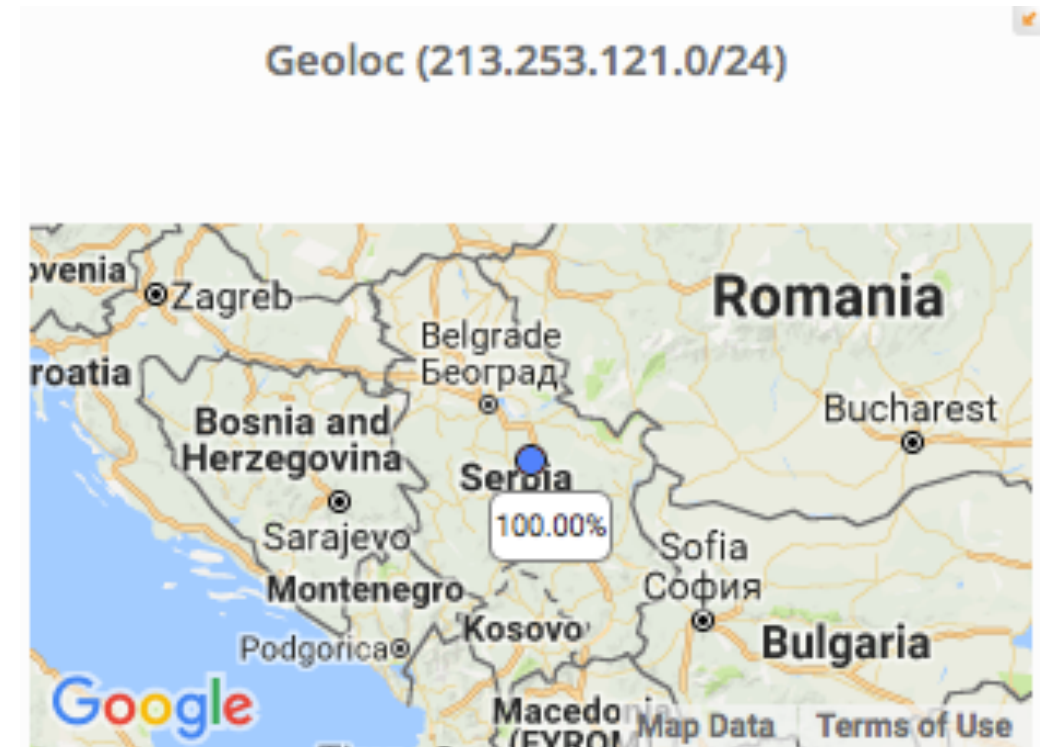


- RIPE Database = Public Internet resource and routing registry database
- Registering assignments is a policy requirement
 - To declare address space as in use
 - To provide contact information

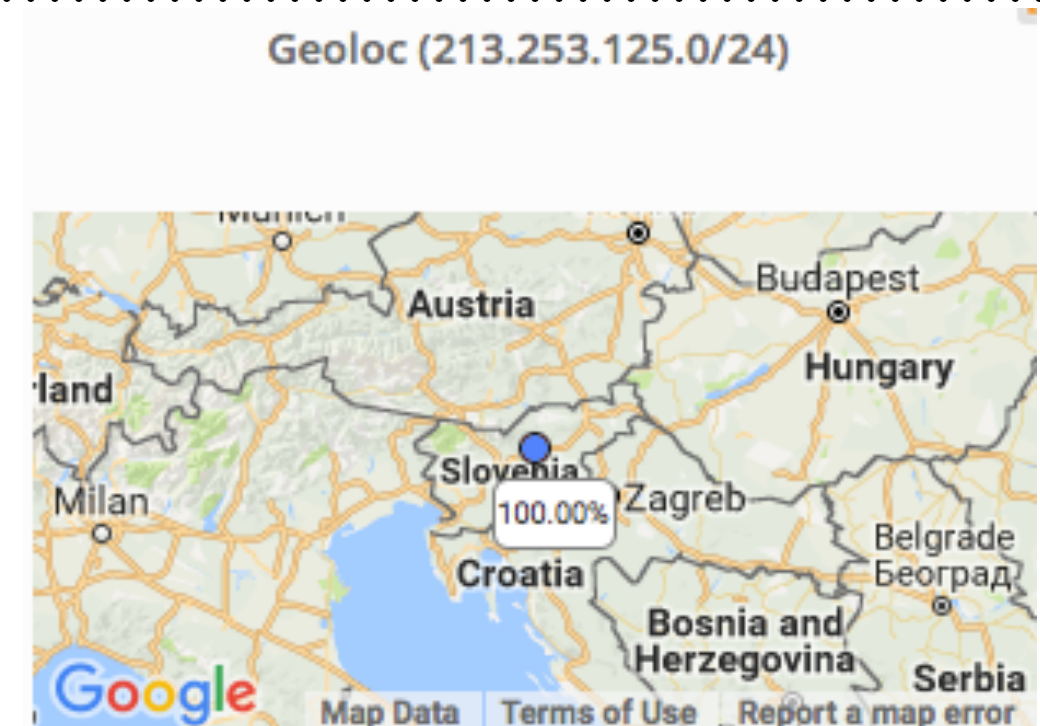
Two Examples



inetnum: 213.253.121.0 - 213.253.121.255
netname: SOFTNET-SCG
descr: Softnet d.o.o.
descr: Vladimira Popovica 40
descr: 11070 Novi Beograd
descr: Serbia
country: RS
geoloc: 44.807257 20.434981
admin-c: SOFT666-RIPE
tech-c: SOFT666-RIPE



inetnum: 213.253.125.0 - 213.253.125.255
netname: SOFTNETLTD
descr: Softnet d.o.o.
descr: Borovec 2
descr: 1236 Trzin
descr: Slovenia
country: SI
admin-c: SOFT666-RIPE
tech-c: SOFT666-RIPE





More Information

- Both prefixes are from the same /20 IPv4
- LIR located the networks in different countries by using the corresponding “country:” code
- Possibility to provide extra information using “geoloc:” and “language:” attributes

Most important:

- **Register assignments in the RIPE Database!**
 - As required by the policies of the RIPE community

IXP Country Jedi





Protecting Your Resources

Different Levels of Contact Details



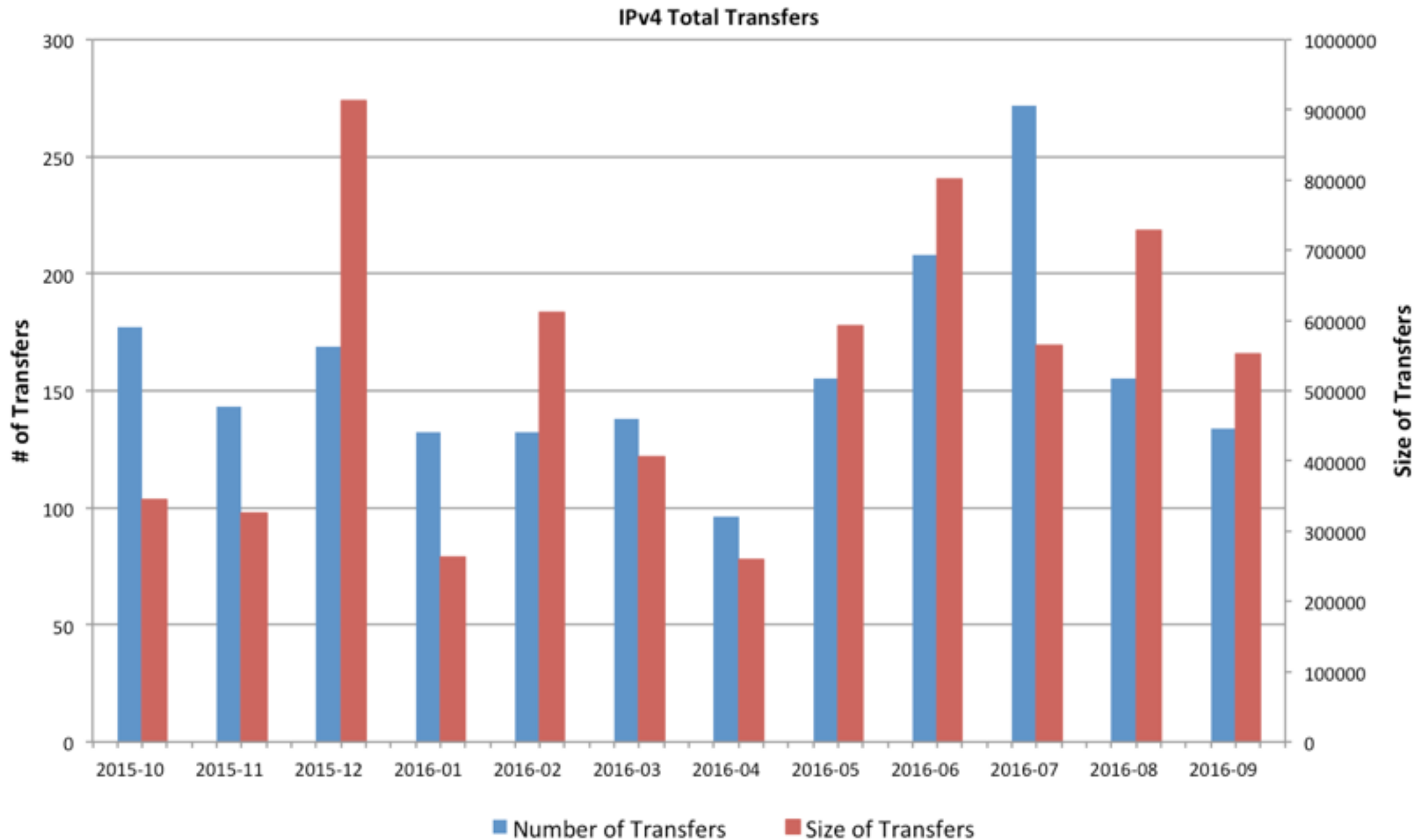
- Public information
 - Registered in the RIPE Database (“admin-c:”, “tech-c:”, “zone-c:”, “abuse-c:”); responsibility of the resource holder
 - Persons/departments to contact in case of network issues
- Details shared between LIRs and RIPE NCC
 - RIPE NCC shares LIR-related information with contact persons, accepts resource or transfer requests from a contact person
- Both need to be maintained and kept up-to-date

What can happen if not maintained?



- RIPE NCC accepts requests from LIR contact persons
 - Including requests to transfer resources away
 - Outdated contact information can cause issues
- RIPE NCC performs further checks whether a transfer is authorised
 - Due diligence
 - Thorough evaluation of required documents (Transfer Agreement, Company Registration Documents)

IPv4 Transfers - Within the Region



- Average of ~180 transfers per month

More on Transfers



- Per policy, IPv4 resources are locked for transfer for 24 months after issue date or previous transfer
 - Currently no such restrictions for IPv6 resources or ASNs
 - Resource transfers to your organisation can cause problems with geolocation
 - Buy locally or invest in your IPv6 deployment



RIPE NCC Support

Assisted Registry Check (ARC)



- Periodic review of LIR details such as:



ARC Goals



- Keep the registry clean and up-to-date
- Make LIRs aware of any inconsistencies with registry data
- Support LIRs with their registration tasks
- Stay in contact with our members



Questions

