

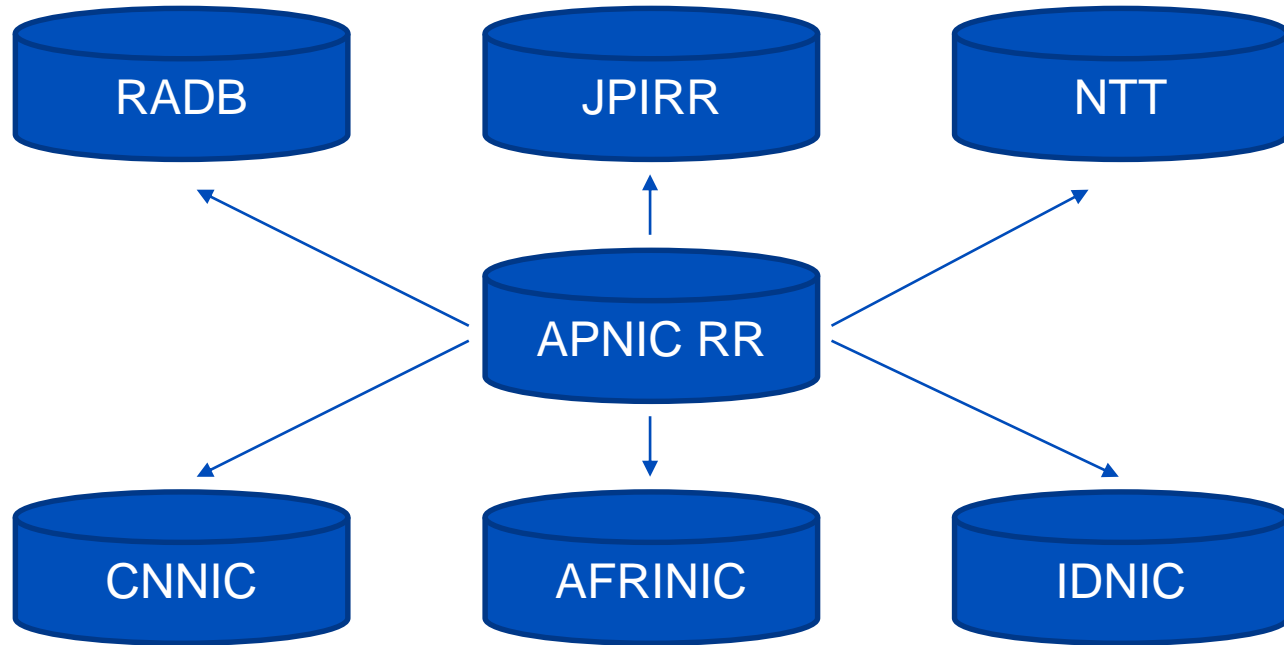
# Maintaining your APNIC Routing Registry data

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# APNIC Database & the IRR

- APNIC Whois database
  - Two Databases in one
- Public Network Management Database
  - “whois” info about networks & contacts (IP address, ASN etc.)
- Routing Registry
  - Contains routing information (routes, filters, peers etc.)
  - APNIC RR is part of the global IRR

# APNIC RR NRTM agreements



# Out-of-region route objects in RIPE IRR

- Needs for operators to have route objects for out-of-region prefixes
- Routes created using a well known maintainer with public password
- Authorization by prefix custodians was unverified

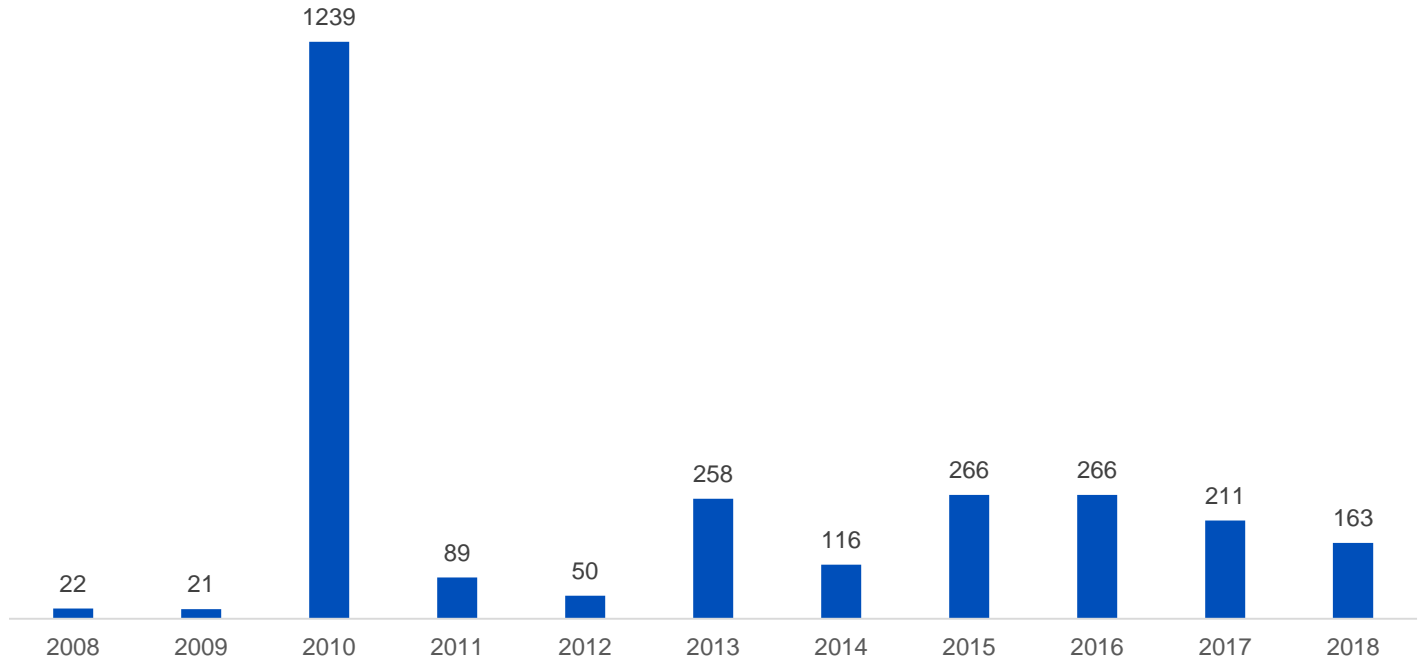
# Changing views in the RIPE community

- Good reasons for creating this service initially
- Increase in out-of-region prefix hijacks with false route objects
- Support for this service has faded in recent times
- RIPE DB working group declared consensus on stopping this service

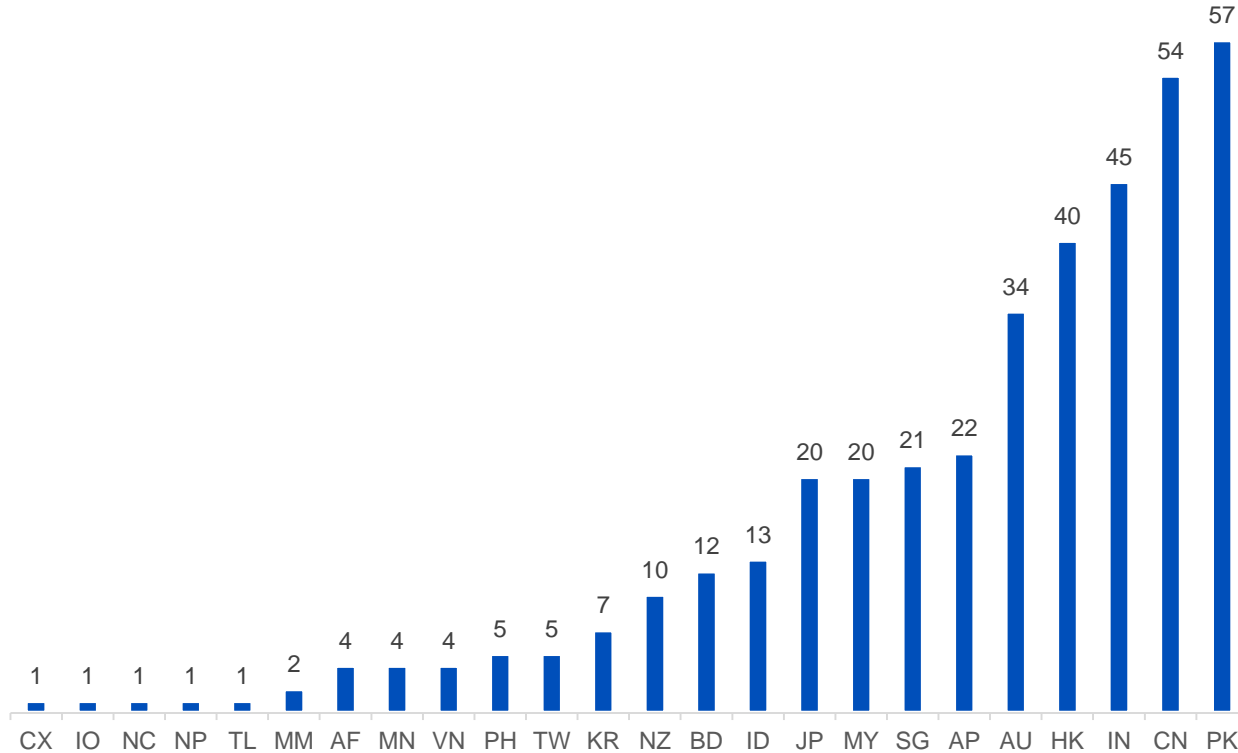
# Does this affect you?

- No new route objects for out-of-region prefixes in RIPE RR
- “source:” attribute of existing objects will be modified to “RIPE-NONAUTH”
- Further community consultation before deleting these objects

# Out-of-region routes for APNIC prefixes



# Number of APNIC members affected





**What should you do if you are affected?**

# Your addresses, your ASN

- Objects created in APNIC Whois database using normal mechanisms
- Use MyAPNIC or [auto-dbm@apnic.net](mailto:auto-dbm@apnic.net)

# Your addresses, somebody else's ASN?

- ASN belongs to another APNIC member?
  - Email notification sent to member contacts
- ASN delegated by other RIR?
  - Email notification sent to whois contacts of ASN
- Unallocated ASN?
  - Email notification to APNIC Helpdesk for follow up

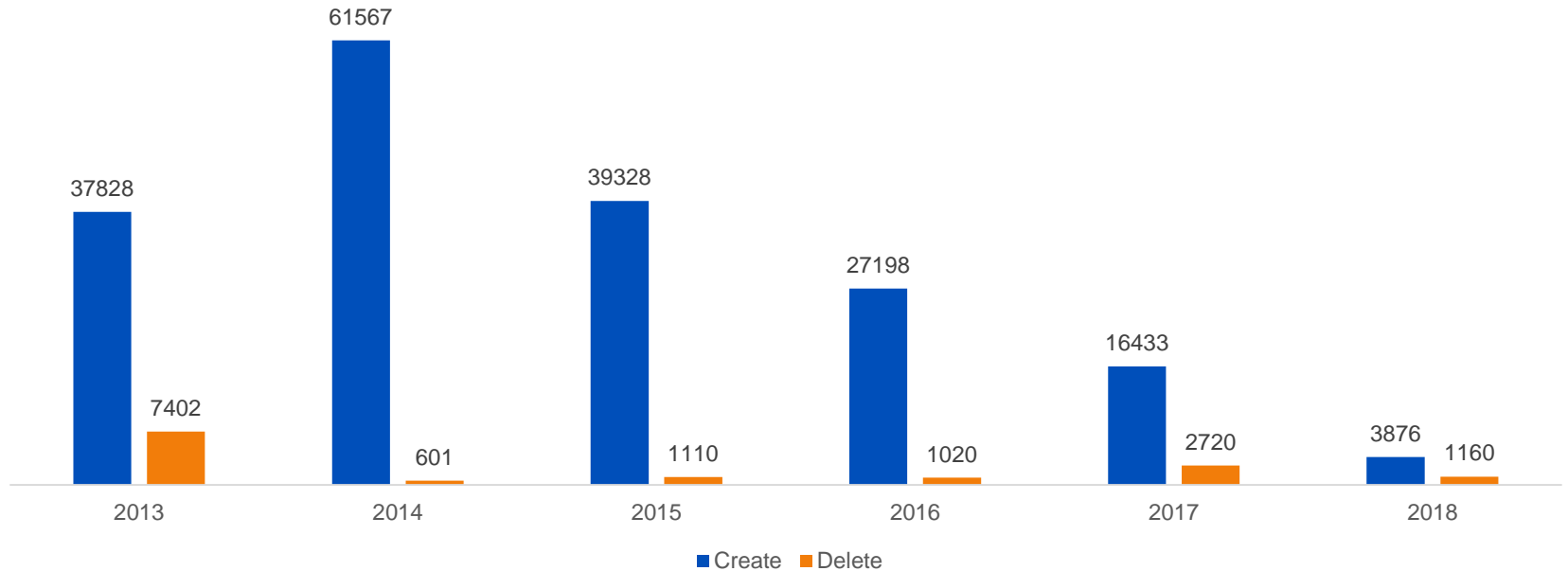
# Your address, under an NIR

- NIR can create objects in APNIC RR on your behalf
- Some NIR operate their own RR service

# Addresses managed outside APNIC region

- Only resources that are under direct APNIC management can be maintained in the APNIC RR

# Route objects in APNIC RR



# Cleaning up your old routes

Home / Resources / Routes

## Routes

Requests

### Routes

Register your routes in MyAPNIC using the tool below. It will automatically create route objects in the APNIC Whois Database with any AS number you have authorized. RPKI ROAs will also be created at the same time, if the ROA option is enabled (changes to RPKI may take around ten minutes to propagate so the ROA status will not be updated until then).

### Import routes

×

Route objects associated with your resources but not managed under this tool were found in APNIC Whois database.

Review & Import from Whois

Dismiss

BGP announcements associated with your resources but not managed under this tool were found.

Review & Import from BGP

Dismiss

# Creating new routes

**Create route** ×

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**Prefix**

**Origin AS**

**Most specific announcement**

**ROA**  Enabled

**Whois**  Enabled

Define Whois route attributes

**Options**  Notify additional contacts

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# Creating new routes

## Confirm route creation

ROA	Enabled
Whois	Enabled
Prefix	61.45.248.0/22
Origin AS	AS135541
Most specific announcement	/24

## Select the sub-routes to be enabled

Show  entries

Search:

Route	
<input checked="" type="checkbox"/> 61.45.248.0/22	
<input type="checkbox"/> 61.45.248.0/23	
<input checked="" type="checkbox"/> 61.45.248.0/24	
<input checked="" type="checkbox"/> 61.45.249.0/24	
<input type="checkbox"/> 61.45.250.0/23	
<input checked="" type="checkbox"/> 61.45.250.0/24	
<input checked="" type="checkbox"/> 61.45.251.0/24	

Showing 1 to 7 of 7 entries 5 rows selected

Previous **1** Next

# Questions?