RIPE NCC

RIPE Network Coordination Centre

# Cross Notification in the RR

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# Goal

- Help network operators be aware that overlapping route announcements are registered in the RR
- Example of overlap:
  - 193.0.0.0/24 and 193.0.0.0/23

# Notifications

- When you register a route, a check will be done to see if it overlaps with any others registered.
- You will be notified of routes registered with address space:
  - matches
  - supersets
  - subsets

# Scheme

- If you use the new mechanism, you can also get notified if:
  - someone registers a route that overlaps with one you have registered
- These notifications are optional

# New Attributes

- “cx-nfy-mnt:” maintainer
  - optional, multiple
- “cx-nfy-hdl:” NIC Handle
  - optional, multiple

# Route Object Notification

- If cx-nfy-xxx is in your route object, you will receive notificaiton if:
  - an overlapping route is registered.
  - a registered overlapping route is deleted.

# Aut-num Object Notification

- If “cx-nfy-xxx:” is in your aut-num object, you will get notified if:
  - a route is registered which overlaps with the address space registered in any of the routes in which your AS number is specified in the “origin:”
  - a route which overlaps one of “your” route objects is deleted.

# Implementation Note

- Notifications can take up to a day.
  - due to delays in mirroring the IRR

# Question

- After RPSL Implementation:
  - cx-nfy-xxx
    - in route-sets?
    - in as-sets?
  - route-set parameter for cx-nfy-xxx?

# Thanks to:

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