

NWI-5

ROUTE Objects for Non-RIPE

Resources

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Wed 25 May 2016 15:48:04 +0200 [Job Snijders] [db-wg] [NWI-5 - Out of region ROUTE(6) / AUT-NUM objects]
[Folder: =INBOX] [NWI] [139610 messages (91 new)]

Date: Wed, 25 May 2016 15:48:04 +0200

From: Job Snijders <job@instituut.net>

To: db-wg@ripe.net

Subject: [db-wg] NWI-5 - Out of region ROUTE(6) / AUT-NUM objects

Dear Working Group,

This is a slightly longer problem statement, please bear with us.

There has been a LOT of discussion about the problems related to out-of-region ROUTE(6) and AUT-NUM objects in the RIPE Database. We would like to provide a starting point of the problem definition here, and ask the community to discuss it further.

NWI-5 - Out of region ROUTE(6) / AUT-NUM objects

The RIPE Database Internet Routing Registry (IRR) requires authorisation to create ROUTE(6) objects, by the appropriate maintainer for the covering inet(6)num object - or an existing covering ROUTE(6) object for the prefix in the "route(6):" attribute, as well as the appropriate maintainer for aut-num object matching the "origin:".

For resources within the RIPE region this authorisation is covered by either:

* Objects that RIPE NCC creates upon assigning or allocating

Three kinds of permutations which are 'weak'

- Route-object composed of RIPE inet(6)num with 'foreign' ASN
- Route-object composed of 'foreign' inet(6)num with RIPE ASN
- Route-object composed of 'foreign' inet(6)num with 'foreign' ASN

Issues

- Authorization for out-of-region objects is anecdotal
- Globally duplicate AUT-NUM objects are required for out-of-region ASNs, confusing contact information, policy etc
- This facilitates hijacking for out-of-region resources and RIPE NCC is neither mandated nor staffed to deal with these issues.
- Detailed placeholders need to be maintained, which causes overhead especially with regard to inter-RIR transfers

Going forward

Please reply to “[db-wg] NWI-5 - Out of region ROUTE (6) / AUT-NUM objects”

With “agree”, or “disagree” or comments to refine the problem statement.

If we have agreement on the problem statement we can move forward to the solutions phase.