RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Database Operational Update

Tim Bruijnzeels | 27 October 2016 | RIPE 73

Releases Since RIPE 72

- Release 1.87.3 (2 June)
  - Planned phased release to make "descr:" on allocations editable by LIRs
- Release 1.87.4 (20 June)
  - makes "mnt-lower:" on INET6NUM editable
  - allows "netname:" to be changed on "ASSIGNED" objects

Release 1.88

- In RC Now
  - Main reason: needed to support new rDNS UI
  - Allows deletion of syntactically incorrect objects
  - Users can change "status:" if it's NOT-SET
  - Added a data re-sync to the release process following comment from Ruediger Volk
- Plan to go live on 31 October

Locked PERSON and ROLE Objects

- Unmaintained objects could be abused for social engineering attacks
  - More likely because of IPv4 run-out

- The RIPE NCC may be liable for third party damages if we:
  - could anticipate these damages and
  - could do something to prevent them but we didn't do it

- Therefore we locked, and refuse to unlock

- Maintainers of referencing objects are responsible for updating
  - note: these PERSON objects have not changed in years and may well still be correct

- Objects are removed 90 days after they are no longer referenced

- PERSON objects can be deleted on a case-by-case basis:
  https://www.ripe.net/manage-ips-and-asns/db/support/documentation/removal-of-personal-data

Default maintainer

44%

Database Update Stats

April 2015 → September 2016

	MD5	PGP	SSO
mail	74% → 58%	26% → 42%	N/A
sync	95% → 83%	5% → 15%	N/A
rest & web	97% → 68%	N/A	3% → 32%

Automating Deployment

- Continuous deployment principles
  - Build once, run automated tests (done)
  - Deploy and test this version in development (done)
  - Deploy and test this version in internal acceptance (done)
  - Deploy and test this version in RC (soon)
  - Deploy version to production (soon)

- Helps us close the feedback loop quickly on features as well as bugs, and deploy with confidence

Usability Improvements

- Small UI improvements
  - better auto-complete
  - authorisation for parent INET(6)NUM
  - better help texts

- Started working on improved rDNS support: https://www.ripe.net/s/rc-rdns

Alex Band
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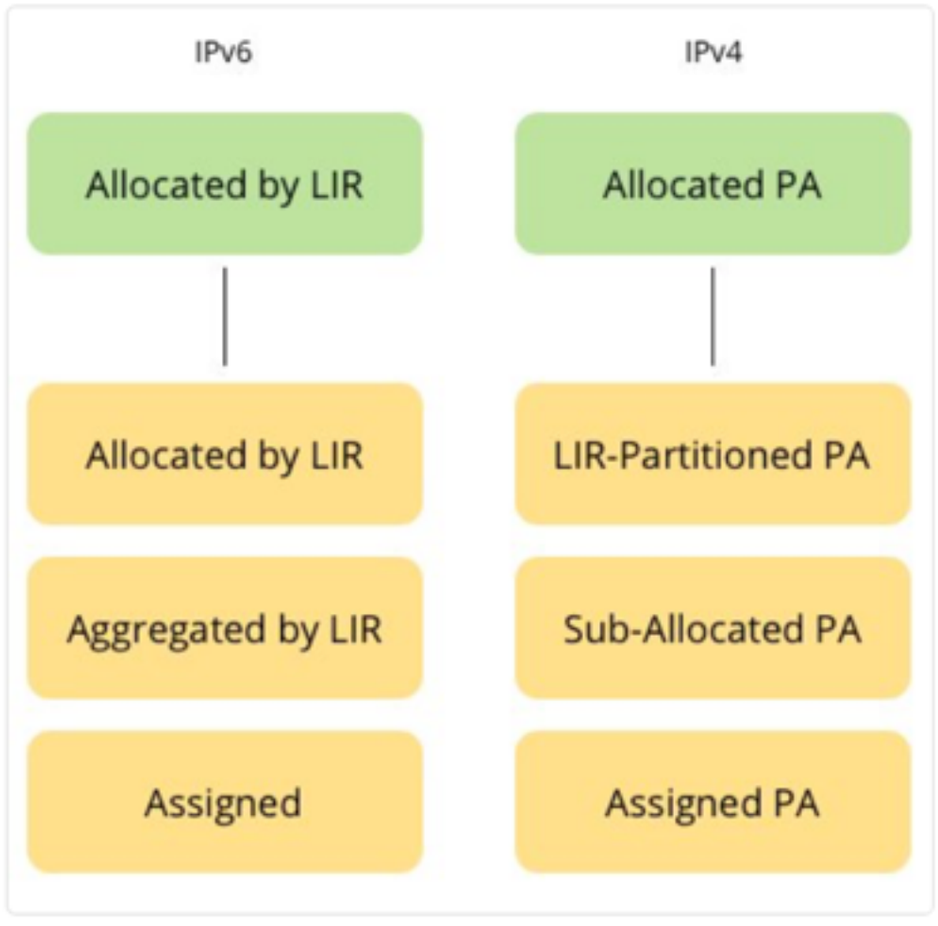
Follow

RIPE Database webupdates now only lets you choose an inetnum status that's compatible with the parent #UX #usability



RETWEETS 7 LIKES 6

1:11 AM - 3 Jun 2016

7 6

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Follow

To make #RIPE DB search results easier to interpret we now highlight the responsible org and abuse contact for an IP

```
Responsible organisation: Resilans AB
Abuse contact info: abuse@resilans.se
```

Update RIPEstat

```
inetnum:          192.36.148.0 - 192.36.148.255
netname:          I-ROOTSERVER
descr:            Prefix reserved for DNS root name server i.root-servers.net.
descr:            $Id: inetnum_192.36.148.0-24,v 1.2 2010-05-26 08:52:13 liman Exp $
country:          SE
admin-c:          NAC16-RIPE
tech-c:           NTC6-RIPE
status:           LEGACY
remarks:          For information on "status:" attribute read https://www.ripe.net/data-
tools/db/faq/faq-status-values-legacy-resources
mnt-by:           NETNOD-MNT
created:          2002-07-02T09:09:48Z
last-modified:    2014-05-27T13:25:03Z
source:           RIPE
```

RETWEETS 2 LIKES 7

11:24 AM - 21 Jul 2016

2 7

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Follow

To make RIPE DB objects with shared responsibility easier to interpret, we now highlight all RIPE NCC managed values

```
Responsible organisation: CloudFlare, Inc.
Abuse contact info: abuse@cloudflare.com

☑ Highlight RIPE NCC managed values

inetnum:          185.122.0.0 - 185.122.3.255
netname:          EU-CLOUDFLARE-20151019
country:          GB
org:              ORG-CI40-RIPE
admin-c:          CAC80-RIPE
tech-c:           CTC6-RIPE
status:           ALLOCATED PA
mnt-by:           RIPE-NCC-HM-MNT
mnt-by:           MNT-CLOUDFLARE
created:          2015-10-19T09:54:37Z
last-modified:    2016-07-07T22:17:43Z
source:           RIPE
```

RETWEETS 8 LIKES 9

12:10 PM - 1 Sep 2016

8 9

Clean Up Unreferenced Objects

- Data protection rules
  - We should remove personal data if it serves no purpose
  - But previous implementation proved difficult
- Since 6 September pragmatic implementation
  - PERSON, ROLE, ORGANISATION, MNTNER
  - If older than 90 days AND
  - not referenced by any other object today AND
  - not referenced by any resource-related object <90 days

Future?

- Operations first
- WG and policies second
- Long list of usability improvements
  - rDNS
  - Personalised authorisation
  - Synchronise LIR Portal users to default maintainer
  - Manage IRR objects (similar to RPKI interface)
  - Bulk changes, e.g. contact information
  - Query interface can use a li'l love

Questions