



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

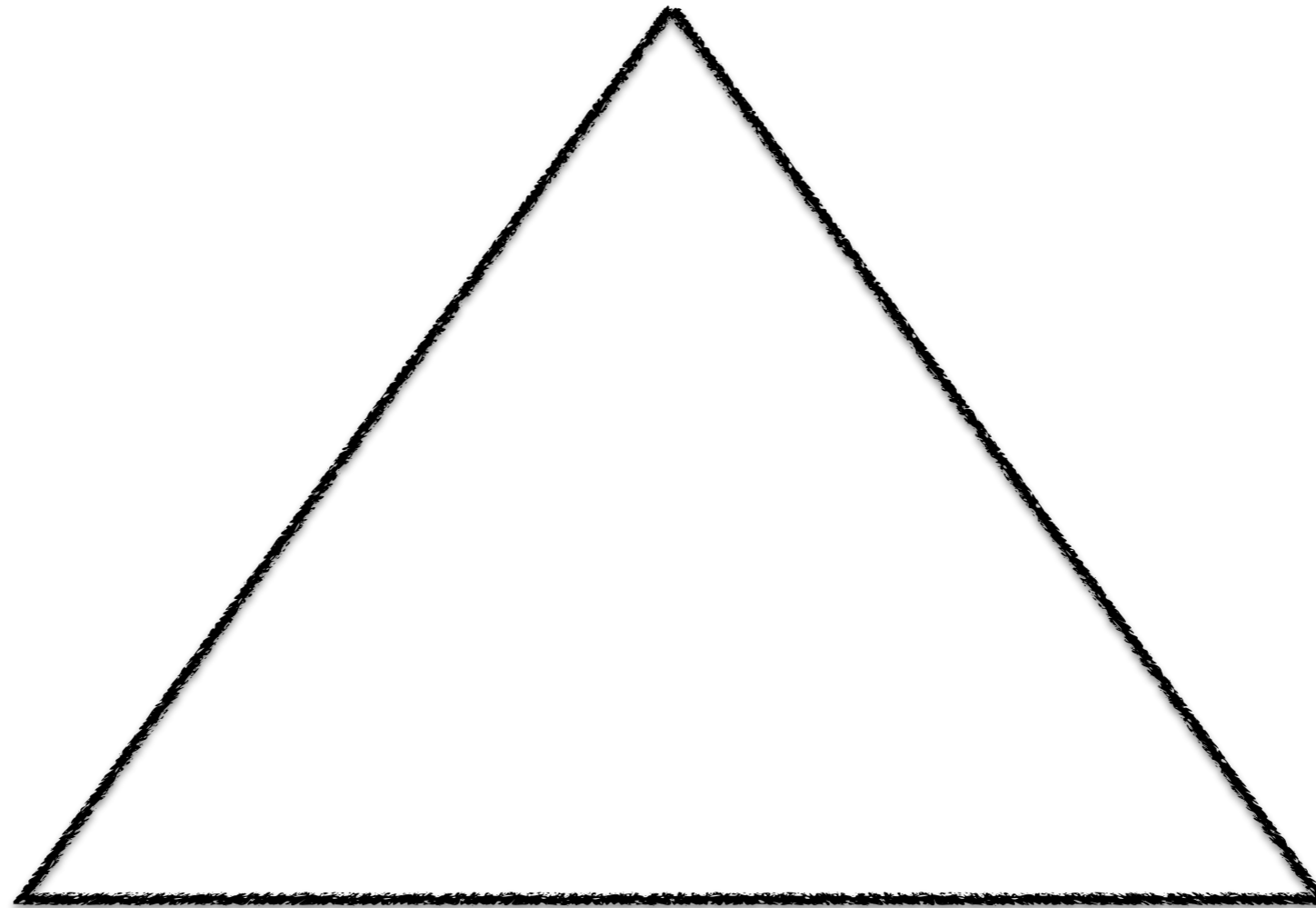
RIPE NCC Database Update

Tim Bruijnzeels | 25 October 2017 | RIPE 75

The three focus points



Operations



Working
Group &
Policies

Usability

Working Group and Policies



- Release 1.89

- Include information on who changed an object in update responses if SSO or PGPKEY is used for authentication
- Use Zonemaster for improved domain object validation (activated 29 June)

- Release 1.90

- Allow “abuse-c:” on INET(6)NUM and AUT-NUM
- Disallow new additions of “abuse-mailbox:” outside of ROLE objects

Working Group and Policies



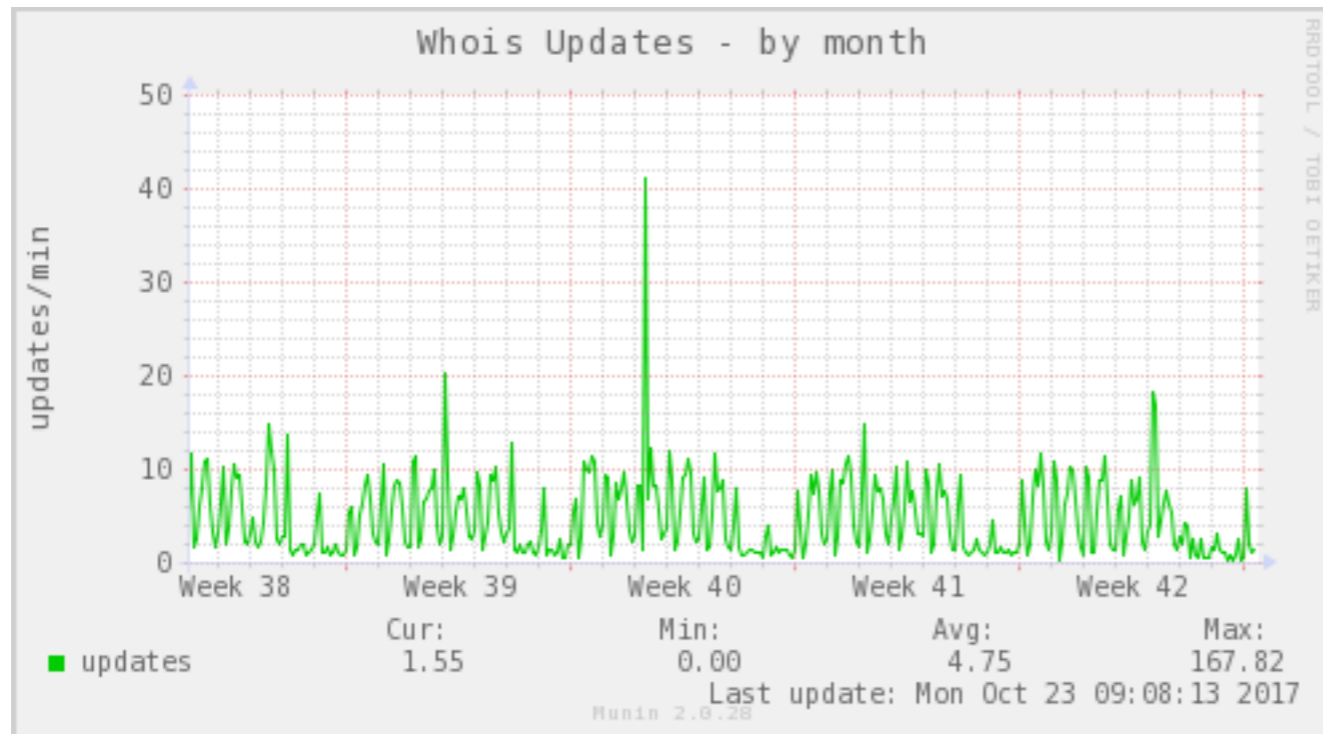
- 30 October
 - Clean up “abuse-mailbox:” from non-ROLE objects
- 1.91
 - Date to be determined
 - Remove “abuse-mailbox:” from syntax of non-ROLE objects

Working Group and Policies



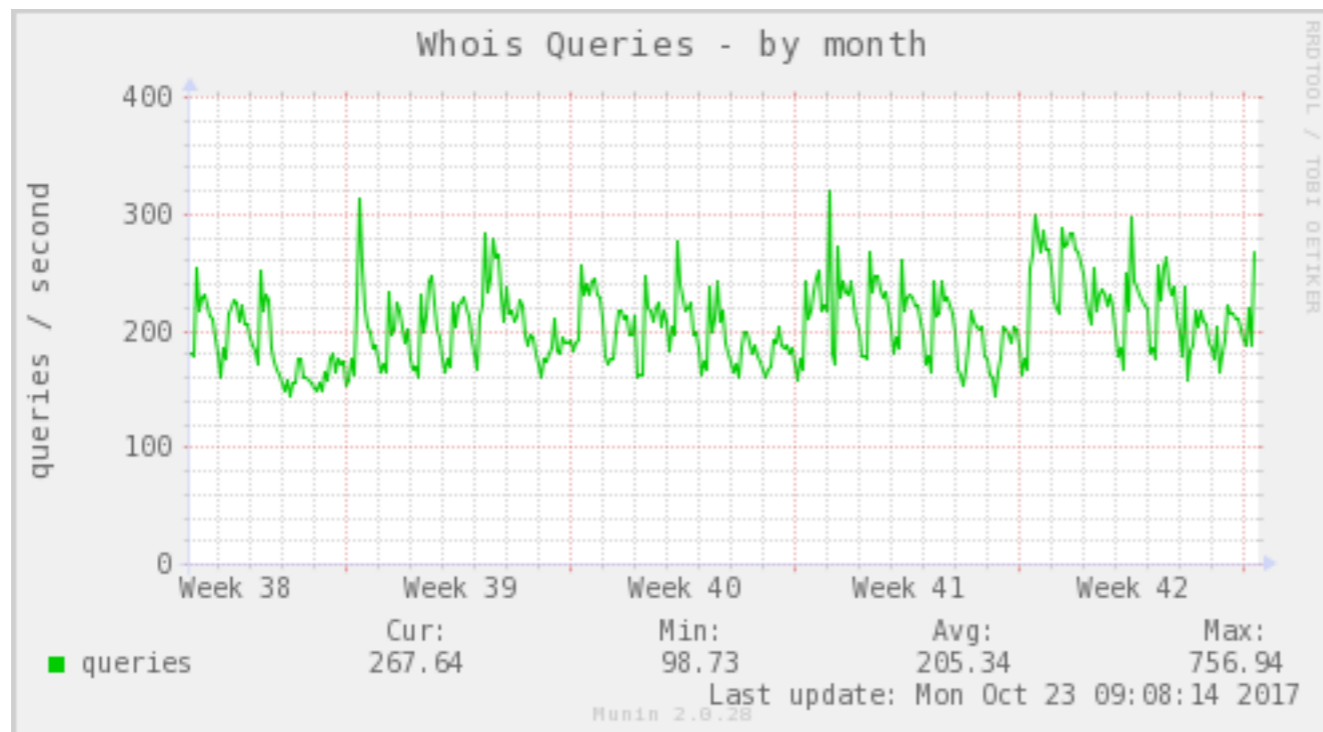
- Suggestion by Job Snijders on GitHub
 - Add `large_community` keyword to RPSL dictionary where applicable

Operations



Avg. 5 updates / min

1:2400



Avg. 200 queries / second

Operations



- Replaced some software components to lower maintenance burden

Operations



- Would like to clean up code for “changed:”

	Creates	Create with “changed:”	Modify	Modify with “changed:”
Mail	15%	23%	34%	37%
SYNC	65%	97%	13%	17%
REST	20%	30%	53%	5%
overall		72%		17%

Usability



“[O]rganisations which design systems ... are constrained to produce designs which are copies of the communication structures of these organisations.”

M. Conway, April 1968

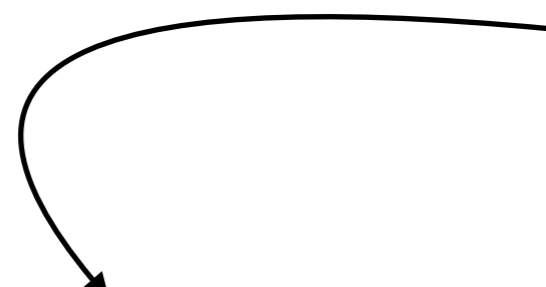
https://en.wikipedia.org/wiki/Conway%27s_law

Usability

RIPE Database



No way back



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE Database (Whois) Website

Search the content of this website

Manage IPs and ASNs > Analyse > Participate > Get Support > Publications > About Us >

You are here: Home > Manage IPs and ASNs > RIPE Database > Webupdates

You are editing: Reseaux IP Europeens Network C...

RIPE Database

- Query the RIPE Database
- Full Text Search
- Syncupdates
- Create an Object

Modify "inetnum" object

Edit in text area

Please enter the maintainers you would like to use as mnt-by

RIPE-NCC-HM-MNT RIPE-NCC-MNT

inetnum
193.0.0.0 - 193.0.23.255

netname
NL-RIPENCC-OPS-990305

country
NL

org
ORG-RIEN1-RIPE

admin-c
BRD-RIPE

tech-c

Edit object



RIPE NCC
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Manage IPs and ASNs > Analyse > Participate > Get Support > Publications > About Us >

You are here: Home > Manage IPs and ASNs > LIR Portal

You are editing: nl.ripenncc-ops

LIR Portal <<

My LIR >

Resources >

- IPv4 Analyser
- IPv6 Analyser
- IPv4
- IPv6
- ASN
- Request Resources
- Request Transfer
- Webupdates
- IPv4 Transfer Listing Service

Resource Certification >

Tools >

My Resources - IPv4

Allocations Made by RIPE NCC to nl.ripenncc-ops?

Date	IP / Prefix	Size	Status	Ticket No.	
19930901	193.0.0.0/20	4096	ALLOCATED_PA	NCC#2012030284	Edit
19930901	193.0.16.0/21	2048	ALLOCATED_PA	NCC#2012030284	Edit

Assignments Made by RIPE NCC?

Date	IP / Prefix	Type	Organisation	Ticket No.	Ind. res. info	
20041105	84.205.64.0/19	ASSIGNED_PI	Reseaux IP Europeens Network Coordination Centre (RIPE NCC)	NCC#2002092793	LIR infrastructure	Edit
20080716	93.175.159.0/24	ASSIGNED_PI	Reseaux IP Europeens Network Coordination Centre (RIPE NCC)	NCC#2008072225	LIR infrastructure	Edit
20080716	93.175.144.0-93.175.158.255	ASSIGNED_PI	Reseaux IP Europeens Network Coordination Centre (RIPE NCC)	NCC#2008072225	LIR infrastructure	Edit
20120508	193.30.30.0/23	ASSIGNED_PI	Reseaux IP Europeens Network Coordination Centre (RIPE NCC)	NCC#2012031217	LIR infrastructure	Edit

LIR Portal

Usability



The screenshot shows the RIPE NCC website interface. At the top left is the RIPE NCC logo and name. To the right, there's a user profile for 'Tim Bruijnzeels' and a search bar. Below the header is a navigation menu with items like 'Manage IPs and ASNs', 'Analyse', 'Participate', 'Get Support', 'Publications', and 'About Us'. A breadcrumb trail indicates the current location: 'Home > Manage IPs and ASNs > RIPE Database > Webupdates'. The main content area is titled 'My Resources' and features a table with columns for IPv4, IPv6, and ASN. The table lists several IP ranges with their respective statuses and sponsors. A sidebar on the left contains a 'My LIR' section and a 'Resources' dropdown menu. The footer includes social media icons and a list of links such as 'Home', 'Sitemap', 'Contact Us', etc.

Summer 2017: Unified menu

- View/edit all your resources
- Navigate more specifics
- Not just for LIRs

Usability



RIPE NCC
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Tim Bruijnzeels

RIPE Database (Whois) Website

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My LIR >

Resources

- My Resources
- IPv4 Analyser
- IPv6 Analyser
- Request Resources
- Request Transfer
- IPv4 Transfer Listing Service
- RPKI Dashboard

RIPE Database >

My Resources

IPv4	IPv6	ASN
84.205.64.0/19		
ASSIGNED PI	RIPE-NCC-RIS-BEACON	OTHER SPONSOR
93.175.144.0 - 93.175.158.255		
ASSIGNED PI	RIPE-NCC-RIS-BEACON	OTHER SPONSOR
93.175.159.0/24		
ASSIGNED PI	NL-RIPENCC-OPS	OTHER SPONSOR
193.0.0.0 - 193.0.23.255		
ALLOCATED PA	NL-RIPENCC-OPS-990305	
193.30.30.0/23		
ASSIGNED PI	IPV6-ROADSHOW-NETWORK-V4	OTHER SPONSOR

RIPE Database Software Version 1.89.2

f t in YouTube

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Some time in future:

- Manage contacts
- Delegate/consolidate
- rDNS
- Route objects
- etc..

Usability



RIPE Database Query

Search term

Show full object details ?
 Do not retrieve related objects ?

You can search up to 5 terms at once in the search box above, separating them with a semicolon.

Sources Types Hierarchy Flags Inverse lookup

Search resource objects in all available databases ?
 Search RIPE Database only

By submitting this form you explicitly express your agreement with the [RIPE Database Terms and Conditions](#)

Search

RIPE Database Software Version 1.89





Questions

