



RIPE
NCC

The IPv6 Analyser

Managing inet6num objects

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So I got a /32...
Now what?

Now what?

- Get a visual insight into your RIPE Database objects
 - Hierarchical view of used address space
- Create new objects using an easy to use wizard
 - Interface seamlessly with the RIPE Database
 - Explain the different options well
 - Use sensible defaults
- Delete redundant objects directly from the UI

Legend

ALLOCATED-BY-RIR

ALLOCATED-BY-LIR

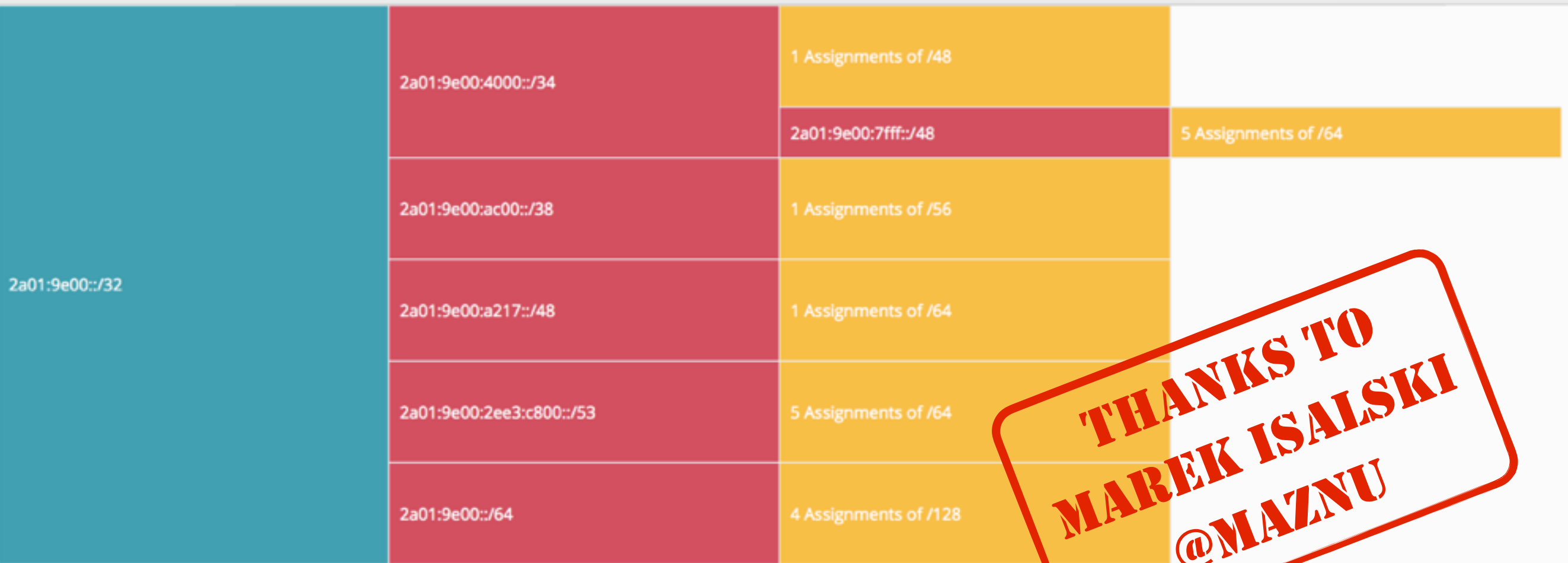
AGGREGATED-BY-LIR

ASSIGNMENT

2a01:9e00::/32 - ALLOCATED_BY_RIR - UK-FAELIX-20110201

Reload data

Create new objects



More specific inet6nums

Filter on range...

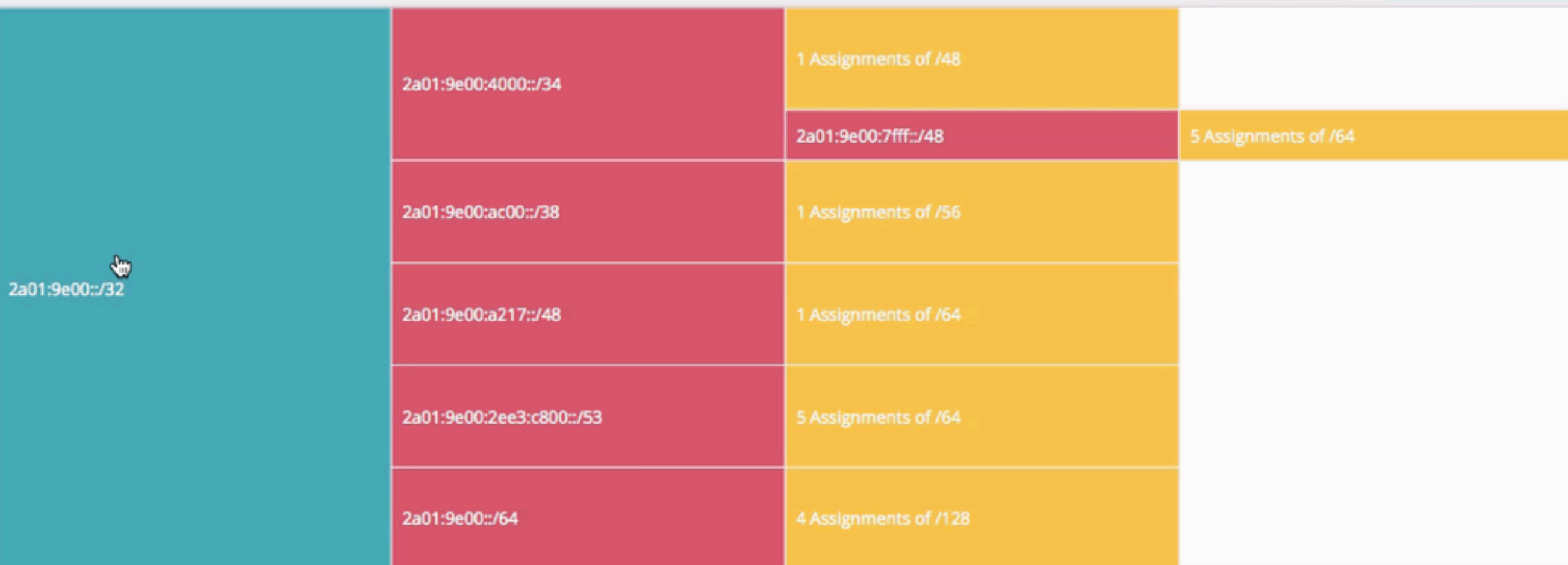


inet6num	Status	Date	Size	AsgSize	Netname	
2a01:9e00:4000::/34	ALLOCATED_BY_LIR	03-02-2011	/34		UK-FAELIX-CUSTOMER	
2a01:9e00:ac00::/38	ALLOCATED_BY_LIR	04-02-2011	/38		UK-FAELIX-TUNNEL	
2a01:9e00:a217::/48	ALLOCATED_BY_LIR	03-02-2011	/48		UK-FAELIX-FAELIX	
2a01:9e00:7fff::/48	ALLOCATED_BY_LIR	23-06-2012	/48		UK-FAELIX-CROSSCONNECT	

2a01:9e00::/32 - ALLOCATED_BY_RIR - UK-FAELIX-20110201

Reload data

Create new objects



More specific inet6nums

Filter on range...

Inet6num	Status	Date	Size	AsgSize	Netname	
2a01:9e00:4000::/34	ALLOCATED_BY_LIR	03-02-2011	/34		UK-FAELIX-CUSTOMER	⚙
2a01:9e00:ac00::/38	ALLOCATED_BY_LIR	04-02-2011	/38		UK-FAELIX-TUNNEL	⚙
2a01:9e00:a217::/48	ALLOCATED_BY_LIR	03-02-2011	/48		UK-FAELIX-FAELIX	⚙
2a01:9e00:7fff::/48	ALLOCATED_BY_LIR	23-06-2012	/48		UK-FAELIX-CROSSCONNECT	⚙
2a01:9e00:2ee3:c800::/53	ALLOCATED_BY_LIR	03-02-2011	/53		UK-FAELIX-V4MAPPING	⚙
2a01:9e00::/64	ALLOCATED_BY_LIR	17-02-2011	/64		UK-FAELIX-VANITY	⚙

 Create new objects

1 Choose your option

2 Enter the details

3 Create objects in RIPE Database

Parent

inet6num

2001:db8::/32

Status

ALLOCATED-BY-RIR

Netname

ZZ-EXAMPLE-
20110201

Link a maintainer to your RIPE NCC Access account

Please select the maintainer you want to link to your RIPE NCC Access account john@doe.com

☒ MNT-DEMO

Please enter the password to authorise

By authorising, your RIPE NCC Access account will be associated with this maintainer. From now on, you will be able to update the RIPE Database objects protected by this maintainer using your RIPE NCC Access account.

Link MNT-DEMO

Return to the overview

**ONE TIME
OPERATION**

1 Choose your option

2 Enter the details

3 Create objects in RIPE Database

Parent

inet6num

2001:db8::/32

Status

ALLOCATED-BY-RIR

Netname

NL-EX-20030616

What do you want to do? I want to...

- ☐ Create a single assignment for my customer or my own infrastructure
- ☒ Group assignments that are all the same size for a large number of customers
- ☐ Sub-allocate a block so assignments can be created within it

Group assignments that are all the same size for a large number of customers into an aggregated block. Choose this option, for example, for DSL customers. A single object will be created with a fixed assignment size. The status will be AGGREGATED_BY_LIR.

Next

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1 Choose your option**2** Enter the details**3** Create objects in RIPE Database**Parent****inet6num**

2001:db8::/32

Status

ALLOCATED-BY-RIR

Netname

NL-EX-20030616

Creating assignments

What is the assignment size you want to give to each customer?

56

What is the size of the aggregated block you would like to create?

48

You can serve up to 256 customers

You can choose between a maximum of five prefix sizes for the assignment size. The maximum size of the aggregated block is limited by the amount of free space you have. If you would like to assign more than a /48 per customer, you will have to submit an IPv6 End Site Assignment Request form. Once you have approval, you will have to manually create an **inet6num** object in the RIPE Database.

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1 Choose your option**2** Enter the details**3** Create objects in RIPE Database**Parent****inet6num**

2001:db8::/32

Status

ALLOCATED-BY-RIR

Netname

NL-EX-20030616

Please enter the following:

inet6num

2001:db8:2103::/48

status

AGGREGATED-BY-LIR

assignment size

56

admin-c

TEST-RIPE

tech-c

TEST-RIPE

netname

NL-EX-20030616

description

RIPE68 Demo

mnt-by

DEMO-MNT

country

NL

Previous

Go!

Return to the overview

- The IPv6 Analyser queries and updates the RIPE Database through the RESTful API
- RIPE NCC Access accounts are associated with maintainers through the new “auth: SSO” attribute
 - Allows a seamless experience between all our services
 - SSO is more secure; user/pass + optional two-factor auth.
 - Easier concept for new users than “maintainer objects”

- Some new ideas to address management:
 - Visual navigation
 - Wizards to guide the user
 - Seamless integration with other services through SSO
- Your feedback is incredibly valuable
 - The existing implementation can be expanded
 - The concepts can be applied to other services

