



Operators Tools

RIPE Labs
..illuminating new ideas and tools from the community for the community

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A Bit of History



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- RIPE NCC started as Coordination Center for the RIPE community
 - RIPE Database, mailing lists, meetings
- Only later it became an RIR
 - Once it was accepted as a neutral place
 - Providing platform for operators to coordinate their activities

RIPE Labs – back to the Roots



What is RIPE Labs?



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- It is a web site, but more importantly:
 - A platform and a tool for the community
- You can
 - Test and evaluate new tools and prototypes
 - Contribute new ideas and research results
 - Discover and discuss in forums and blogs

http://labs.ripe.net





Currently on RIPE Labs

INRDB

IP Allocation Movies

Resource Explainer (REX)

IPv4 and IPv6 Measurements

NetSense

DNS Related Tools



INRDB



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- The Internet Number Resource Database
- A system to store and retrieve large amounts of Internet Number Resource related data
 - Routing Information Services (RIS) table dumps, IANA and RIR allocation and assignment data, other external datasets
- Helps accomplish RIPE NCC to serve the community by enabling efficient access across heterogeneous historical data
- Allows us to provide you new types of services

http://labs.ripe.net/content/intro-inrdb-internet-number-resource-database



Resource Explainer



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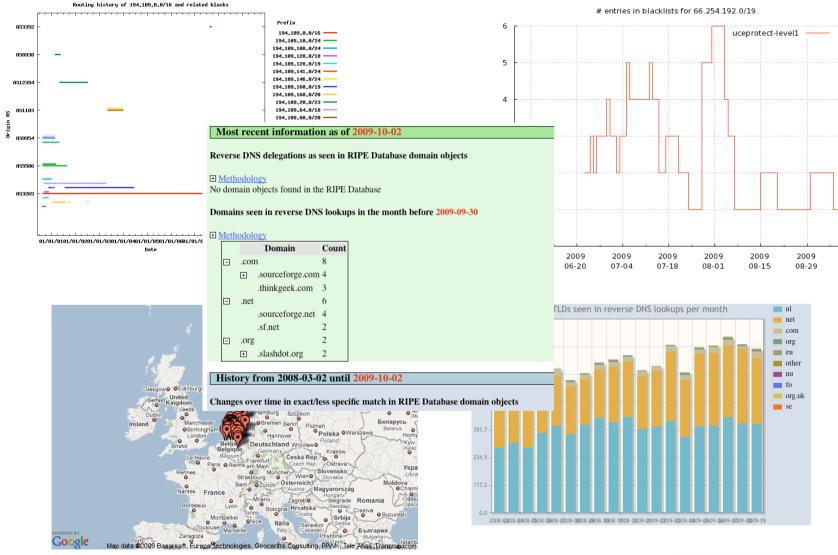
- Based on growing community needs, a service where:
 - History and current status of resources can be looked up
 - Information from many sources are combined and explained
- Some reasons are
 - Growing use of recycled / transferred resources
 - Proliferation of resource abuse
 - Support resource management activities

http://labs.ripe.net/content/rex-resource-explainer



Resource Explainer live!







Resource Explainer Plans



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Recently included IPv6 support and ASNs

Future Plans:

Add more aspects and more details to existing ones

Please let us know what else would be useful!

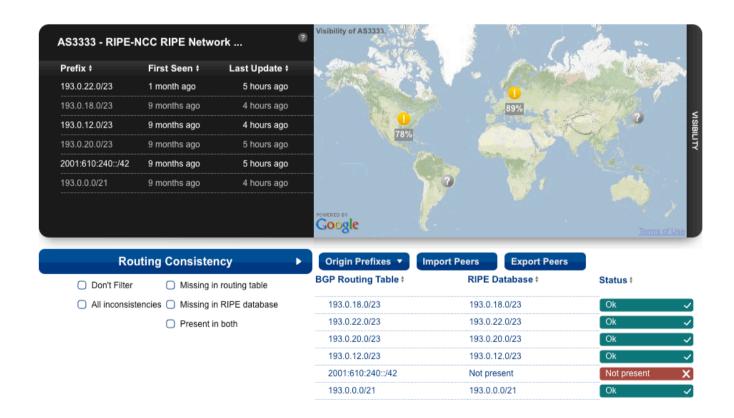


NetSense (netsense.ripe.net)



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 Consistent interface integrating various measurement services provided by the RIPE NCC



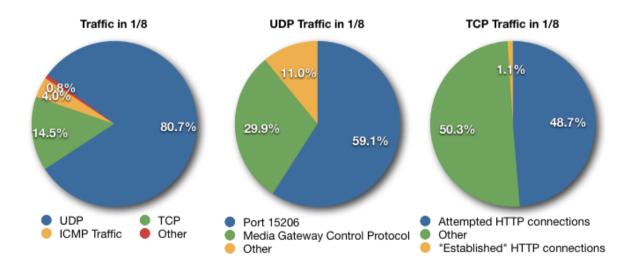


Pollution in 1/8



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- 1/8 allocated to APNIC
- Lots of discussion about usability of 1/8
- How much of it us already routed?
- Lots of interest in the results



http://labs.ripe.net/content/pollution-18



IPv6 Measurements



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- A compilation of IPv6 measurements
 - List of IPv6 measurements and tools from various sources with a short description and links to the tools and results
 - Please let us know what type of measurements would be helpful for your operations

http://labs.ripe.net/content/ipv6-measurement-compilation

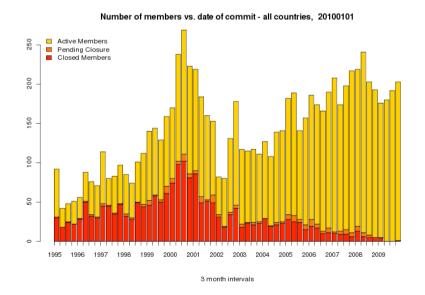


LIR Growth Statistics

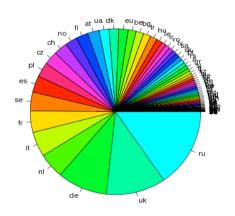


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- RIPE NCC membership demographics
 - http://labs.ripe.net/content/ripe-ncc-membership-growth
- Internet number resources are distributed among the membership
 - http://labs.ripe.net/content/members-and-their-number-resources



IPv4 allocations to current members, per country - 20100101





DNS related Tools



- DNS Lameness checker (Shane Kerr)
 - Downloadable tool for DNS operators
- DNSSEC for the root zone
 - Plans for signing K-root
- DNS reply-size tester
 - Easy tool to determine maximum size of DNS response packets your resolver can handle



RIPE NCC



LIR Portal

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miriam

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24 Sep 2009

RIPE Labs - What's it All About?

Submitted by mirjam on Thu, 09/24/2009 - 12:09

RIPE Labs

is a new platform designed by the RIPE NCC for network operators, developers and industry experts to expose, test and discuss innovative Internet-related tools, ideas and analysis that can benefit the RIPE community and RIPE NCC members.

It's the place to showcase new and interesting things. Anyone can:

- · Present research
- · Showcase prototype tools
- · Share operational experience
- · Exchange ideas

Even if you don't have any new ideas at the moment, but are interested in reviewing the ideas and tools of others, please dive in. **RIPE Labs** is a platform from the RIPE community for the RIPE community.

» Read more



Discuss this topic here: RIPE Labs - What's it All About?

18 Sep 2009

Submit Your Ideas Now

RIPE Labs is all about you, and your ideas. You can contribute a new idea or tool by creating a new topic in the New Ideas forum or by sending us an email.

Search query here

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Number Resource Database

REX - the Resource Explainer

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Launch Date: October 6 2009

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more



Why RIPE Labs?



- Faster, tighter innovation cycle
 - Provide useful prototypes to you earlier
 - Adapt to the changing environment more quickly

- Closer involvement of the community
 - Openness
 - Make feedback and suggestions easier and more effective



RIPE Labs Rules



- Free and civil discussion between individuals
 - Anyone can read RIPE Labs content
 - Please register before contributing

- No service guarantees
 - Content can disappear based on
 - Community feedback
 - Legal or abuse issues
 - Too little resources



Questions or Comments



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Please take a look and participate

- Questions or comments
 - mir@ripe.net or labs@ripe.net