Operators Tools

An Update on RIPE Labs

..illuminating new ideas and tools **from** the community **for** the community

Mirjam Kühne

What is RIPE Labs?

- 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

http://labs.ripe.net

Currently on RIPE Labs

INRDB

Resource Explainer (REX)

IPv4 and IPv6 Measurements

NetSense

DNS Related Tools

and more

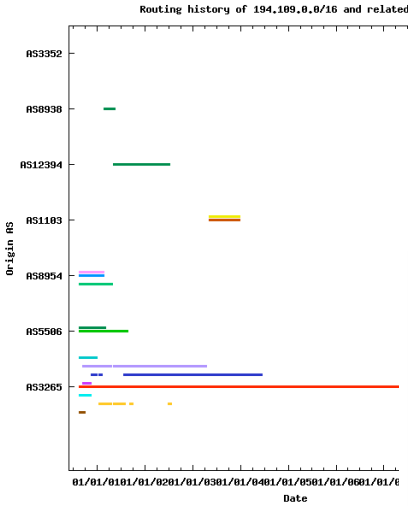
Resource Explainer

- 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



Most recent information as of 2009-10-02

Reverse DNS delegations as seen in RIPE Database domain objects

Methodology

No domain objects found in the RIPE Database

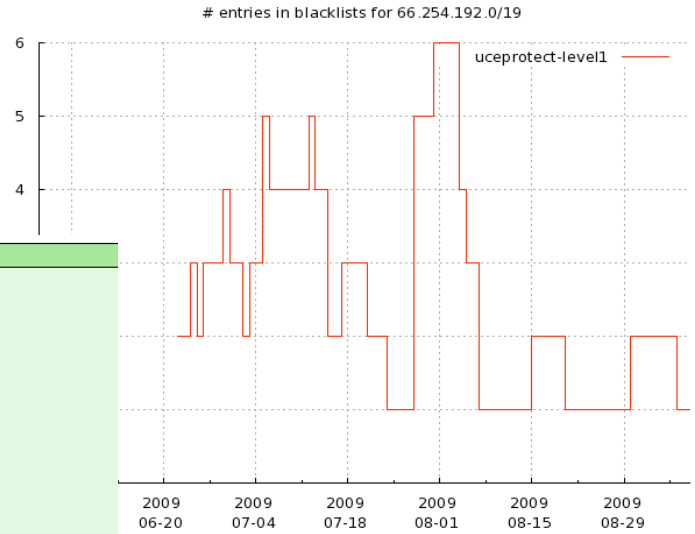
Domains seen in reverse DNS lookups in the month before 2009-09-30

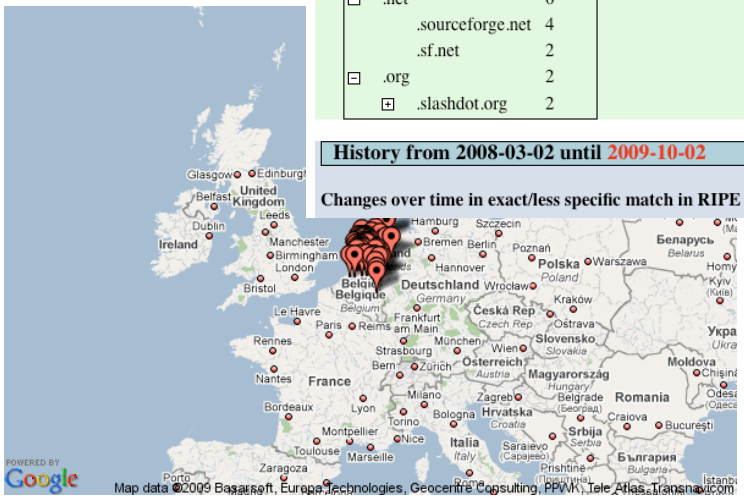
Methodology

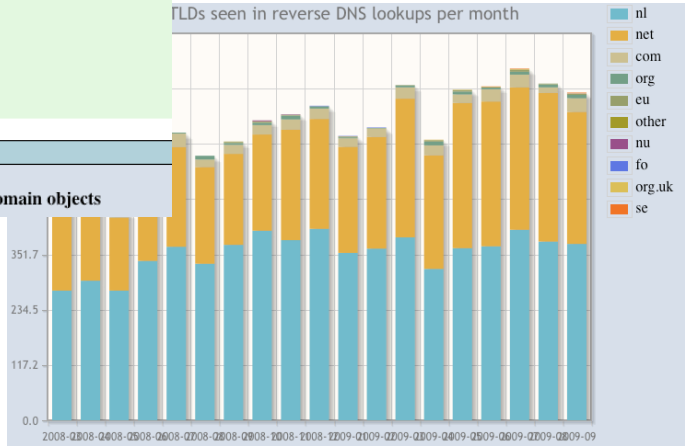
Domain	Count
.com	8
.sourceforge.com	4
.thinkgeek.com	3
.net	6
.sourceforge.net	4
.sf.net	2
.org	2
.slashdot.org	2

History from 2008-03-02 until 2009-10-02

Changes over time in exact/less specific match in RIPE Database domain objects





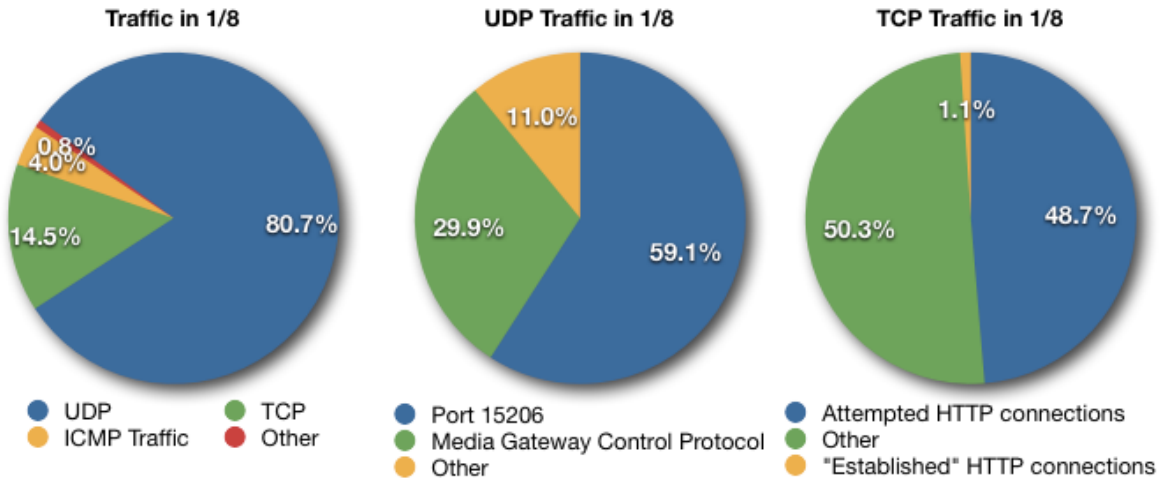


NetSense (netsense.ripe.net)

- Consistent interface integrating various measurement services provided by the RIPE NCC

Pollution in 1/8

- 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

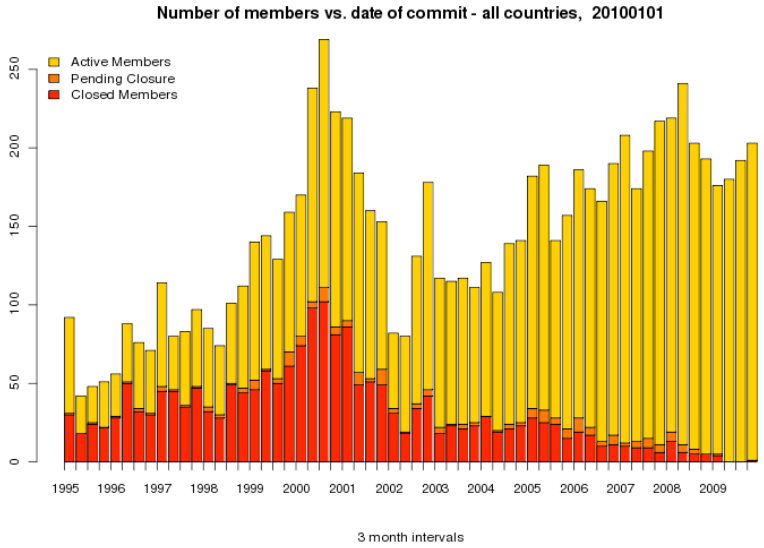
IPv6 Measurements

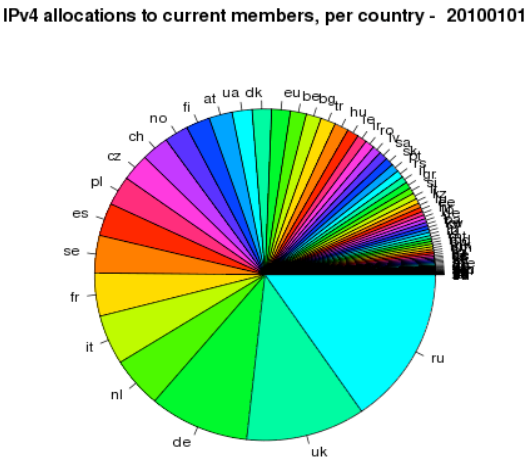
- A compilation of IPv6 measurements
  - List of IPv6 measurements and tools from various sources with a short description and links to the tools and results
  - Please let us know what type of measurements would be helpful for your operations

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

LIR Growth Statistics

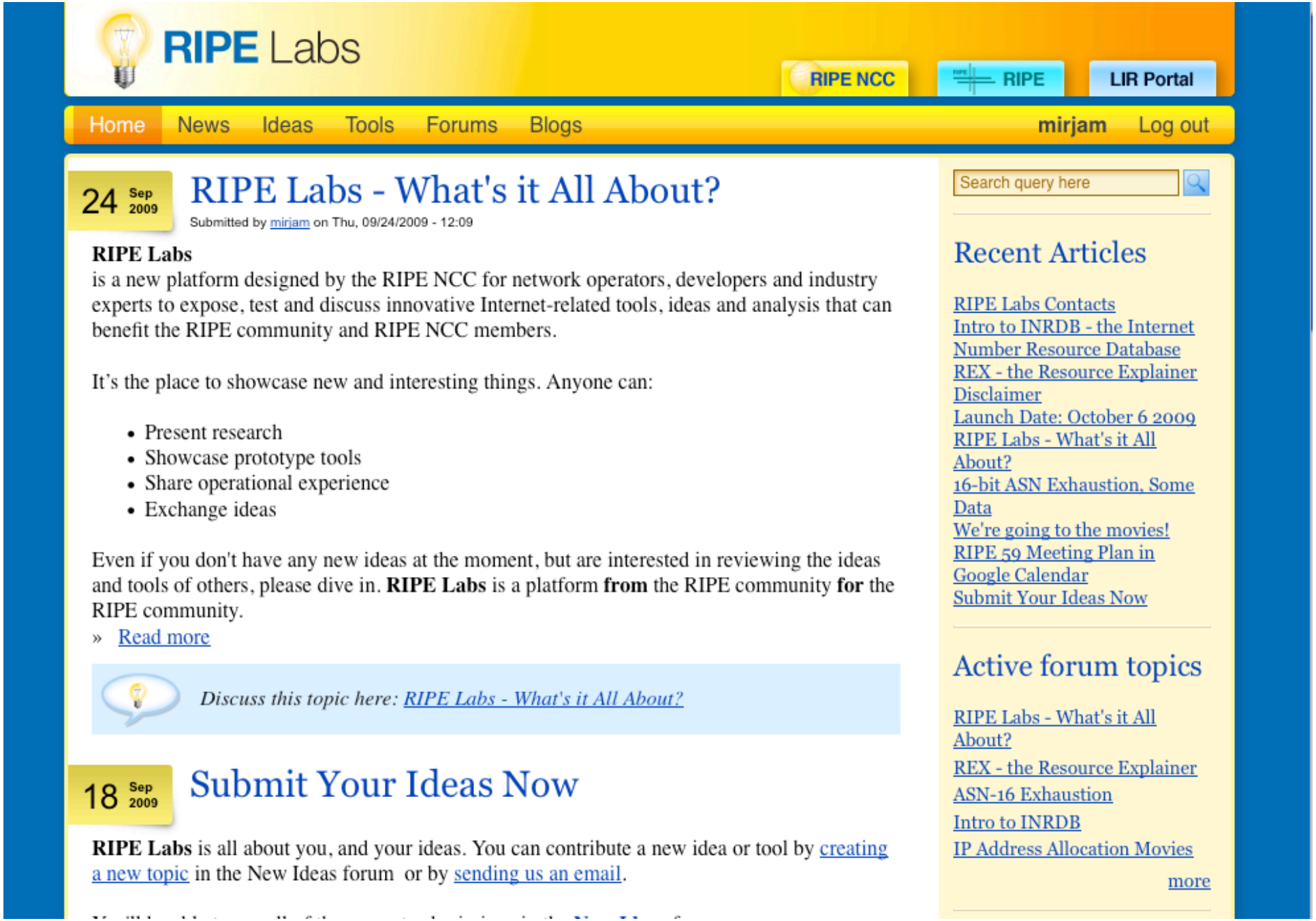
- RIPE NCC membership demographics
  - http://labs.ripe.net/content/ripe-ncc-membership-growth
- Internet number resources are distributed among the membership
  - http://labs.ripe.net/content/members-and-their-number-resources





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
  - First results published recently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Submitted by mirjam on Thu, 09/24/2009 - 12:09
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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
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Exchange ideas
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Questions or Comments

- Please take a look and participate
  - Your ideas, tools, research results etc. are welcome!
- Questions or comments
  - mir@ripe.net or labs@ripe.net