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
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:

<table>
<thead>
<tr>
<th>Domain</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>.com</td>
<td>8</td>
</tr>
<tr>
<td>.sourceforge.com</td>
<td>4</td>
</tr>
<tr>
<td>.thinkgeek.com</td>
<td>3</td>
</tr>
<tr>
<td>.net</td>
<td>6</td>
</tr>
<tr>
<td>.sourceforge.net</td>
<td>4</td>
</tr>
<tr>
<td>.s.net</td>
<td>2</td>
</tr>
<tr>
<td>.org</td>
<td>2</td>
</tr>
<tr>
<td>.slashdot.org</td>
<td>2</td>
</tr>
</tbody>
</table>

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 is 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
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?

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.
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