



# RIPE Labs

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

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# 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 and blogs

**<http://labs.ripe.net>**



# Currently on RIPE Labs

IP Allocation Movies

Resource Explainer (REX)

IPv6 Measurements

NetSense

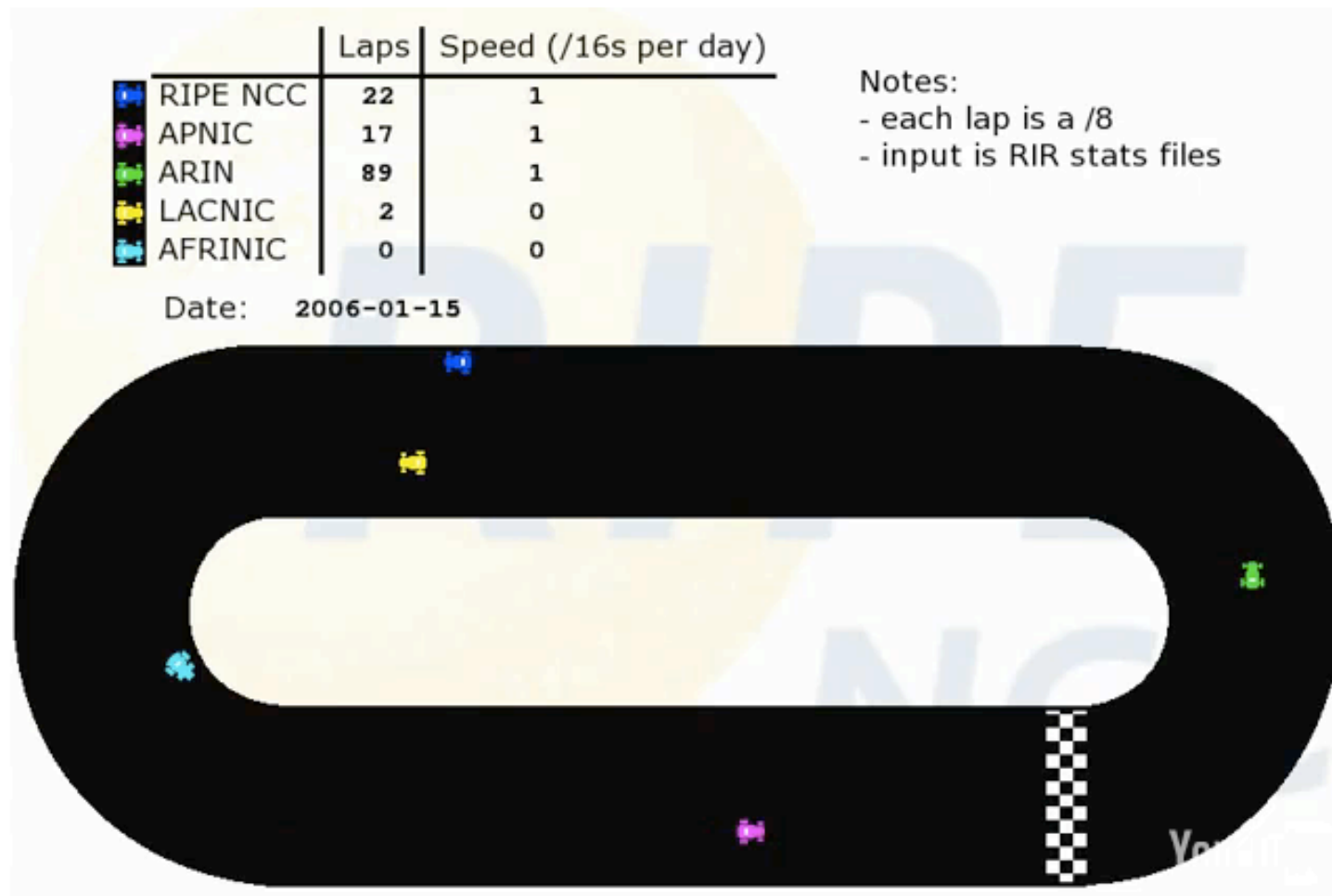
DNS Related Tools



# IP Allocation Movies!

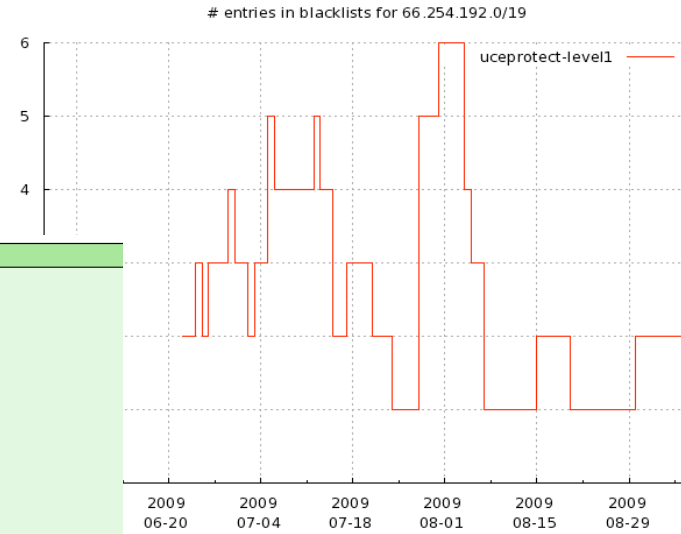
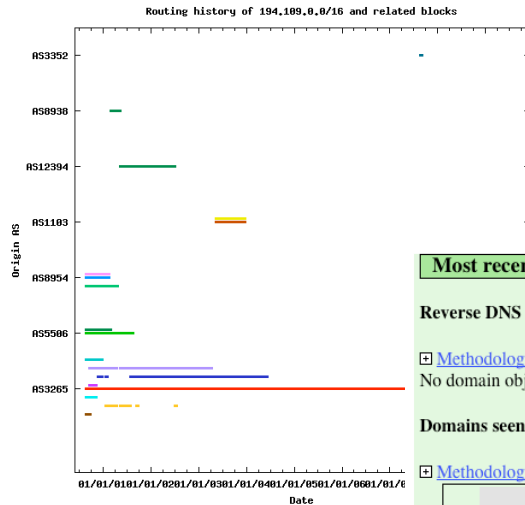


<http://labs.ripe.net/content/were-going-movies>





# Resource Explainer (REX)



Most recent information as of 2009-10-02

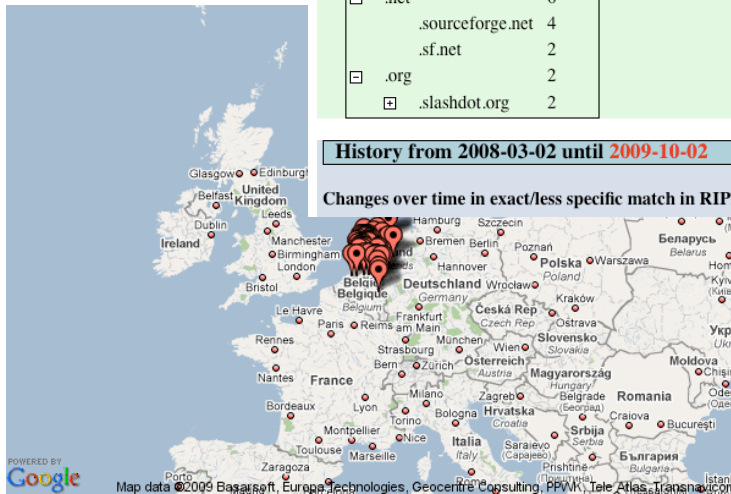
Reverse DNS delegations as seen in RIPE Database domain objects

[Methodology](#)  
No domain objects found in the RIPE Database

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

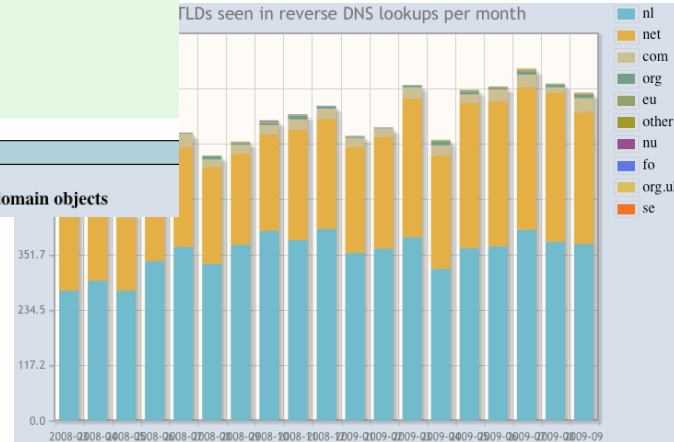
[Methodology](#)

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

### AS3333 - RIPE-NCC RIPE Network ...

Prefix †	First Seen †	Last Update †
193.0.22.0/23	1 month ago	5 hours ago
193.0.18.0/23	9 months ago	4 hours ago
193.0.12.0/23	9 months ago	4 hours ago
193.0.20.0/23	9 months ago	5 hours ago
2001:610:240::/42	9 months ago	5 hours ago
193.0.0.0/21	9 months ago	4 hours ago

### Visibility of AS3333

POWERED BY Google

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**Routing Consistency** ▶

Don't Filter     Missing in routing table

All inconsistencies     Missing in RIPE database

Present in both

**Origin Prefixes** ▼    **Import Peers**    **Export Peers**

**BGP Routing Table †**    **RIPE Database †**    **Status †**

193.0.18.0/23	193.0.18.0/23	Ok ✓
193.0.22.0/23	193.0.22.0/23	Ok ✓
193.0.20.0/23	193.0.20.0/23	Ok ✓
193.0.12.0/23	193.0.12.0/23	Ok ✓
2001:610:240::/42	Not present	Not present ✗
193.0.0.0/21	193.0.0.0/21	Ok ✓



# IPv6 Measurements



- A compilation of IPv6 measurements
  - List of IPv6 measurements and tools various people are doing 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>



# 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





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](#).



### Recent Articles

- [RIPE Labs Contacts](#)
- [Intro to INRDB - the Internet Number Resource Database](#)
- [REX - the Resource Explainer Disclaimer](#)
- [Launch Date: October 6 2009](#)
- [RIPE Labs - What's it All About?](#)
- [16-bit ASN Exhaustion, Some Data](#)
- [We're going to the movies!](#)
- [RIPE 59 Meeting Plan in Google Calendar](#)
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### Active forum topics

- [RIPE Labs - What's it All About?](#)
- [REX - the Resource Explainer](#)
- [ASN-16 Exhaustion](#)
- [Intro to INRDB](#)
- [IP Address Allocation Movies](#)

[more](#)



# 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



- Please take a look and participate
- Questions or comments
  - [mir@ripe.net](mailto:mir@ripe.net) or [labs@ripe.net](mailto:labs@ripe.net)