RIPEstat

Public Demo, s3e01@RIPE66
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1) Introduction
2) New features since RIPE65
4) Future outlook
5) Feedback
Usage Statistics (Unique IP Addresses)

- 2011: 62k IPs
- 2012: 120k IPs
- since beginning of 2013: 340k IPs (* by May 2013)

![Bar chart showing unique IP addresses from 2011 to 2013*]
Introduction to RIPEstat

• Modular & extendable toolbox
• Single interface to Internet related data
  - Network trouble-shooting
  - Data analysis
  - Scientific research
• RIPEstat is your tool
  - Work in progress
  - Development driven by user feedback
  - Periodic, public demos
  - GET INVOLVED
Introduction to RIPEstat

- RIPEstat Data API / RIPEstat Text API
  
  https://stat.ripe.net/data/routing-status/data.json?resource=AS3333

- RIPEstat Widget API

  ![RIPEstat Widget](https://stat.ripe.net/widget.png)

- https://stat.ripe.net
What’s New?
New Features (1/5)

• Full screen support
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New Features (1/5)

• Resource type support
  - Single IP addresses
    
    193.0.20.50 ≠ 193.0.20.50/32
    
    single IP address vs. IP prefix

  - Support for hostnames
    
    e.g. ripe.net, google.com

  - Support for countries (2-digit ISO code)
    
    e.g. de, nl
New Features (1/5)

• Abuse Contact Finder
New Features (1/5)

• Mobile page

https://stat.ripe.net/m
New Widgets (2/5)

• Routing Status widget
New Widgets (2/5)

• Atlas Probes widget
New Widgets (2/5)

- Altas Measurements widget
New Widgets (2/5)

• Forward DNS widget (for hostnames)
New Widgets (2/5)

• Reverse DNS Consistency / DNS Checker widget
New Widgets (2/5)

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New Widgets (2/5)

- DNS Chain widget
BGPlay (3/5)

Type: Initial
- Number of ASes: 130
- Number of collector peers: 154
- Selected ASes: 4, 5, 6, 7, 10, 11, 12, 13, 14, 15
- Total number of events: 45
- Date and time: 2013-05-08 07:54:57

Period: 2 days 9 seconds (45 events)
Current instant: 2013-05-08 07:54:57

Showing results for 33338 from 2013-05-08 07:54:07 UTC to 2013-05-08 07:54:07 UTC
BGPlay (3/5)

Live Demo
Country Support (4/5)

• Internet blackout in Syria December 2012
• New data set for country routing statistics
• Country Routing Stats widget
Country Support (4/5)

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![Country Routing Statistics](image)
Country Support (4/5)

• Comparison of multiple Country Routing Stats widgets
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Country Support (4/5)

• In-widget comparison
Custom Views (5/5)

• Next:
  - Phase 2: Widget controls
  - Phase 3: User-defined views

- Drag&drop widgets
- Reorder, rename widgets
- Dashboard functionality
- Possibility to share
Custom Views (5/5)

- MyViews
Custom Views (5/5)

• MyViews

Live Demo
Future Focus Points

• In-widget comparison
• More country based data sets (e.g. IPv6 RIPEness per country)
• NG UI Dashboard
• Incorporate various small tools
• Webinars
Discussion/Feedback

• ...questions?
• Feedback after RIPE66
  - stat.ripe.net/feedback
    - Let other’s know! - use comments
  - stat@ripe.net
  - and Twitter (#ripestat)
The End

Next demo will be published on RIPEstat

This session and the slides will be archived on RIPE labs: http://labs.ripe.net/

See previous demos and other videos on: http://www.youtube.com/user/RIPENCC/