



**RIPE
NCC**

Tools and measurements

4 March 2014

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- RIPE Atlas
- RIPE Stat



RIPE Atlas

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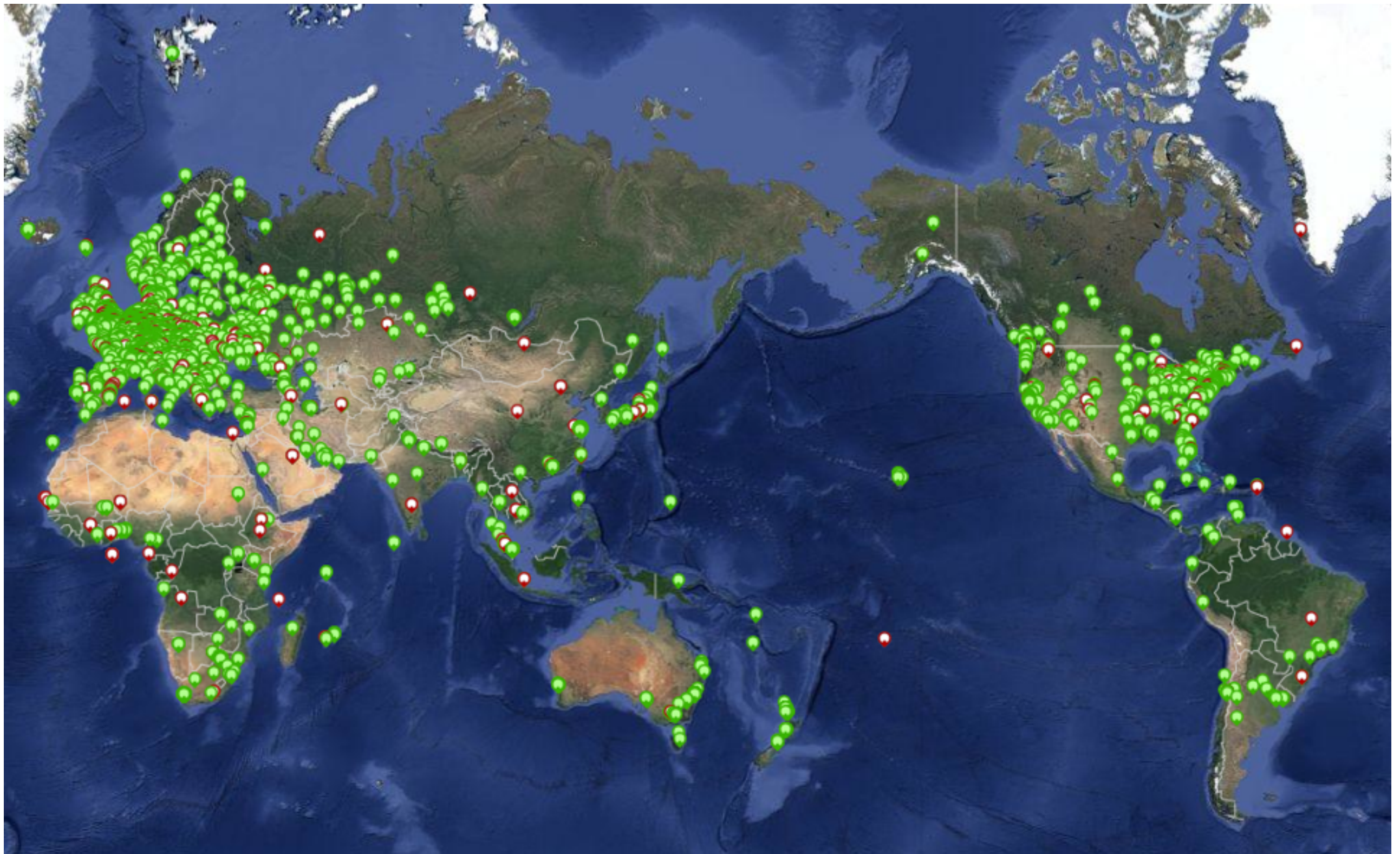


RIPE
NCC

- 4,900+ active probes
 - 2,100+ IPv6-enabled
- 10,000+ Registered users

RIPE Atlas deployment

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RIPE
NCC

- Ping
- Traceroute
- DNS
- SSL
- All on both IPv4 and IPv6

- 4900+ probes, from different networks, at your fingertips
- Run customised, one-off measurements
 - Or continuous ones
- You need points: You earn points by hosting a probe, or by being an LIR

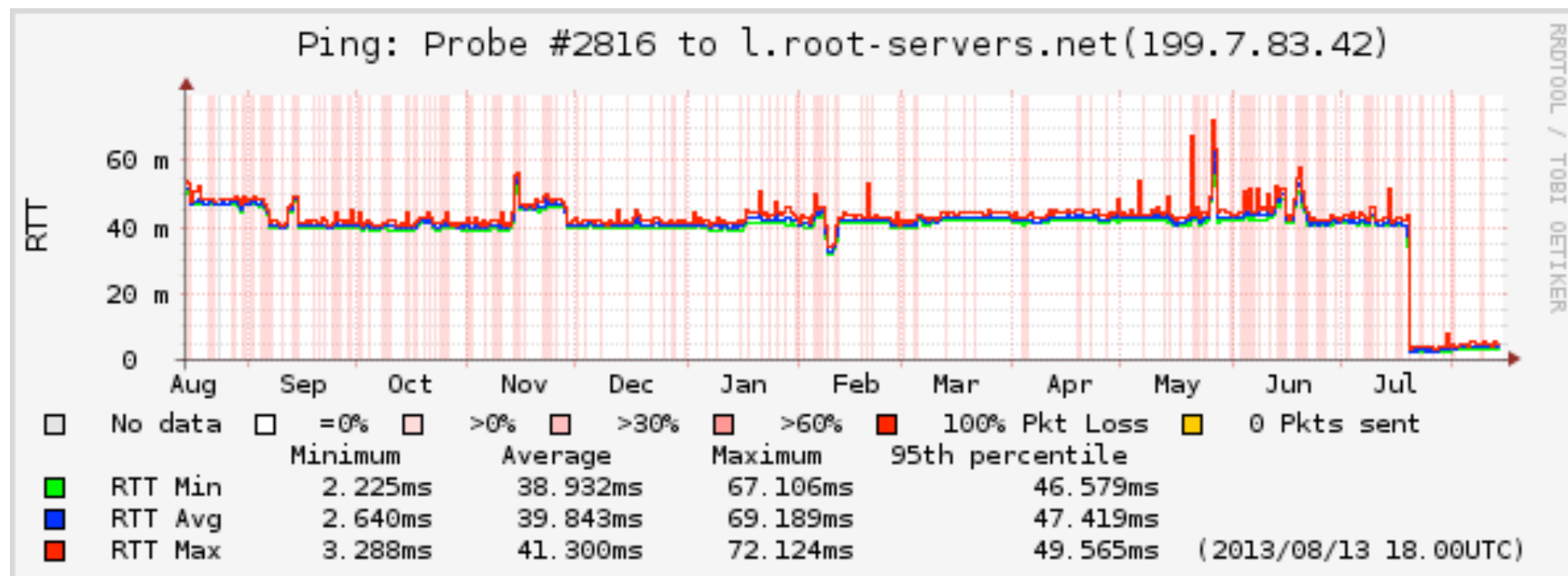
- Built-in measurement data is **available to everyone**
 - Maps
 - Data from public probes
 - API to download raw data

- Anybody can host a probe
- On any kind of network
- Probes are handed/shipped for free
 - Ask me for one, at the RIPE NCC table



- Well-known targets for measurements
- 41 Installed so far
- Every anchor is targeted by 200 probes
- Each probe measures 4-5 anchors
- Any company/operator can host one
 - More info: <https://atlas.ripe.net/about/anchors/>

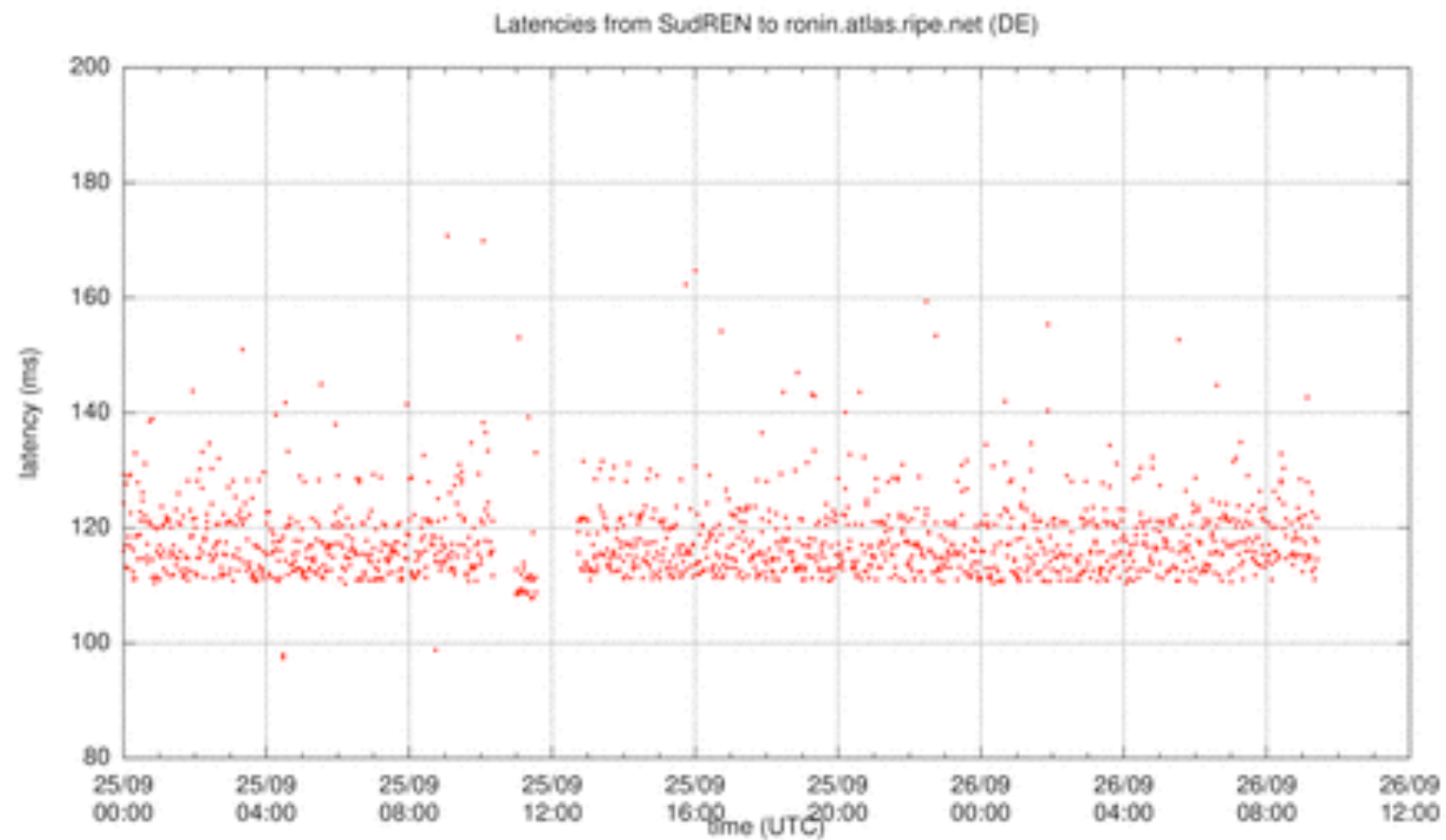
- Effect of installing L-Root in Belgrade/SOX



- Looking for most popular instances of .fr anycast

Name server instance	Nr. of probes connecting to instance	Percentage
dns.th2.nic.fr	173	36%
dns.fra.nic.fr	173	36%
dns.lon.nic.fr	47	10%
dns.lyn2.nic.fr	29	6%
dns.lyn1.nic.fr	25	5%
dns.bru.nic.fr	19	4%
dns.ix1.nic.fr	18	4%

- Measuring internet outage in Sudan



<http://atlas.ripe.net>

RIPE Stat

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RIPE
NCC

- “One-stop-shop” for information about internet number resources

- Registration Data
- RIPE Database
- Routing
- Reverse DNS
- RIPE Atlas measurements

- IRR
- RIRs
- Geolocation
- Blacklists
- M-Lab network activity

Search box

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RIPEstat

2 / 2 widgets

At a Glance (4)

- Routing (410)
- DNS (1)
- Anti Abuse (1)
- Database (0)
- Geographic (0)
- Activity (0)

AS Overview (AS3333)

RIPE-NCC-AS - Réseau IP Européens Network Coordination Centre (RIPE NCC)

Showing results from 2013-04-01 00:00:00 UTC to 2013-04-01 00:00:00 UTC

source data embed code permalink info

Registry Browser (AS3333)

Last updated on 2013-04-17 at 15:12:15 UTC

aut-num: AS3333

as-name RIPE-NCC-AS
descr Réseau IP Européens Network Coordination Centre (RIPE NCC)
org ORG-RIEN1-RIPE
admin-c JOR-RIPE
admin-e BRD-RIPE
tech-c OPS4-RIPE
mnt-by RIPE-NCC-END-MNT
mnt-by RIPE-NCC-MNT

Showing results for AS3333 as of 2013-04-01 14:00:00 UTC

source data embed code permalink info

Geoloc (AS3333)



Showing results for AS3333 as of 2013-04-01 00:00:00 UTC

source data embed code permalink info

Routing Status (AS3333)

AS3333 is visible by 100% of 107 IPv4 and 100% of 102 IPv6 RIG full peers.

First ever seen before Jan 2001.

Originated IPv4 prefixes: 0
Originated IPv6 prefixes: 1
Observed BGP neighbours: 140
Address space announced (IPv4): 4500 IPs
Address space announced (IPv6): equiv. to 1 /16s

Showing results for AS3333 as of 2013-04-01 00:00:00 UTC

source data embed code permalink info

Widgets

Widgets grouped into thematic tabs

- IPv4
- IPv6
- AS Number
- Hostname
- Country
- Keywords

- BGPlay2
- Abuse finder
- Customisable “My views”
- History view for RIPE NCC members/LIRs
- Embed widgets on your site

<http://stat.ripe.net>



The End!

Край

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Соңы

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Liðugt

Ende

Finvezh

Кінець

Konec

Kraj

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Fund

پایان

Lõpp

Beigas

Vége

Son

An Críoch

Kraj

הסוף

Fine

Endir

Sfârșit

Fin

Τέλος

Einde

Конец

Slut

Slutt

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Pabaiga

Fim

Amaia

Loppu

Tmíem

Koniec

