

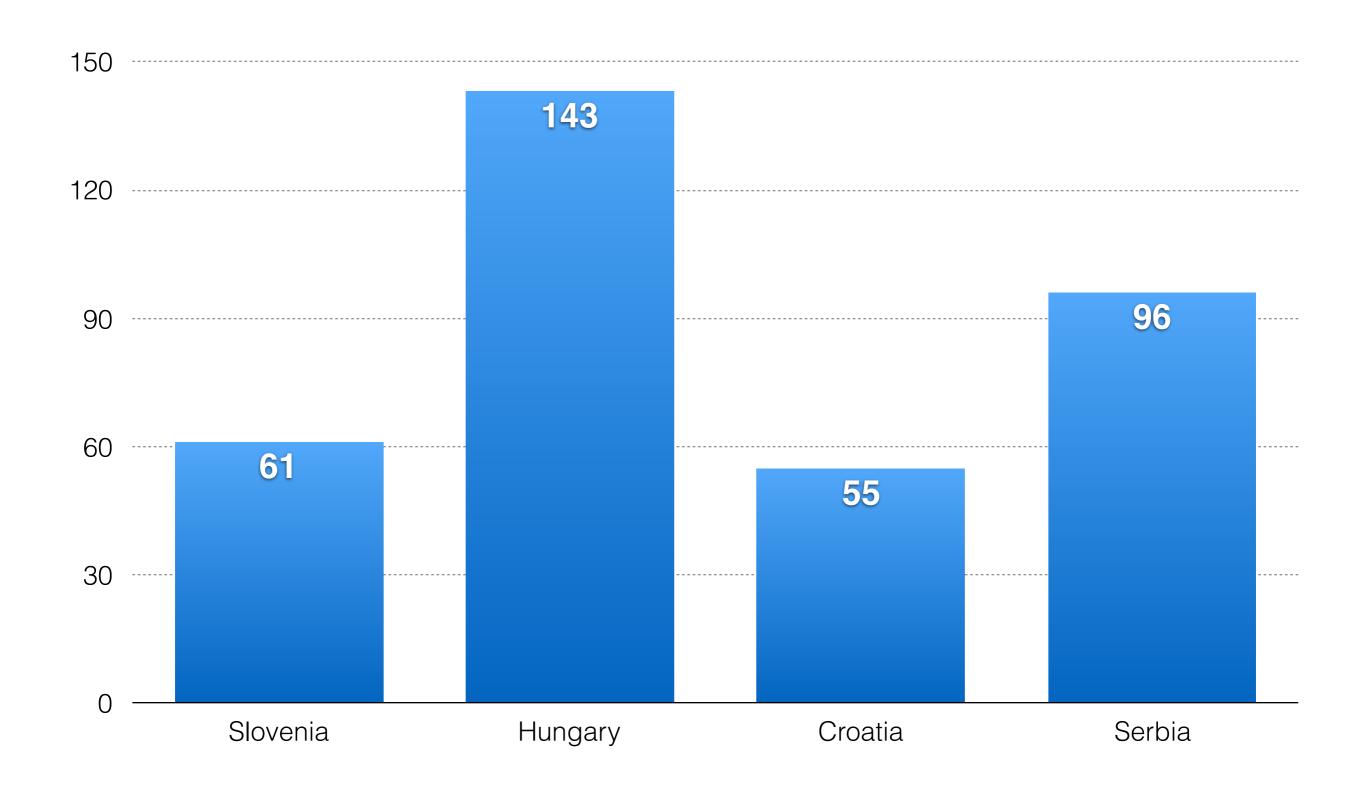
The Internet in Slovenia RIPE NCC Data & Tools

Mirjam Kühne

Mirjam Kühne | CEE Peering Days | March 2017

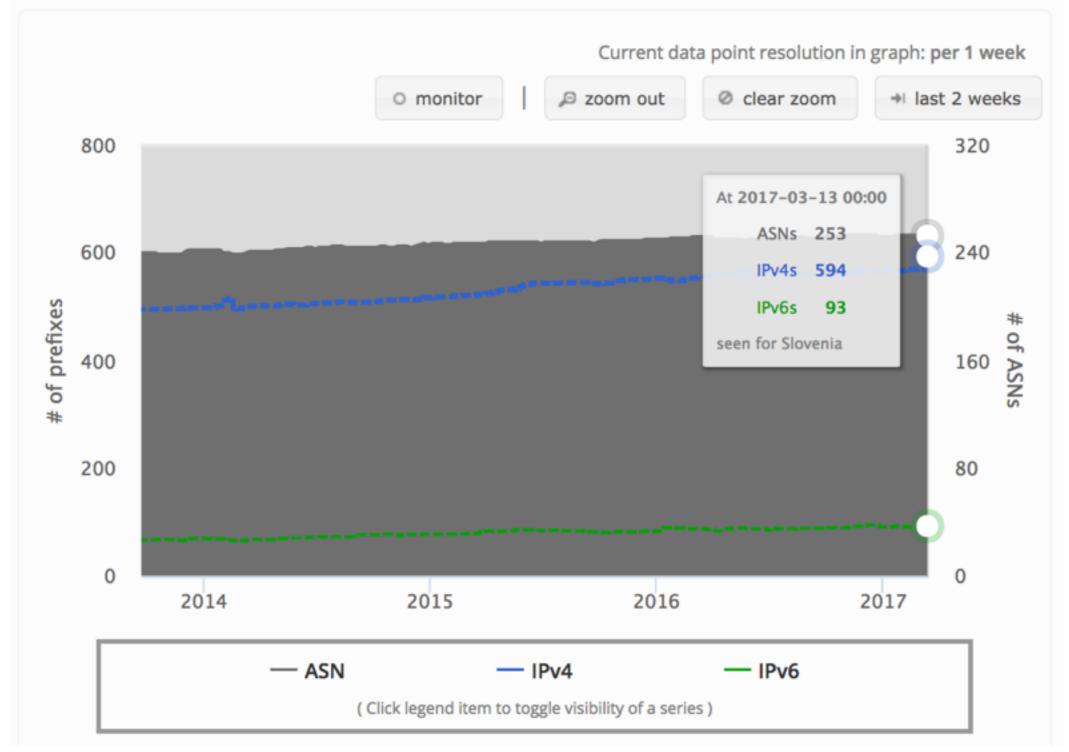
Current number of LIRs





IP resources in Slovenia (RIPEstat)





https://stat.ripe.net/SI#tabId=routing



IPv6 Deployment

IPv6 RIPEness

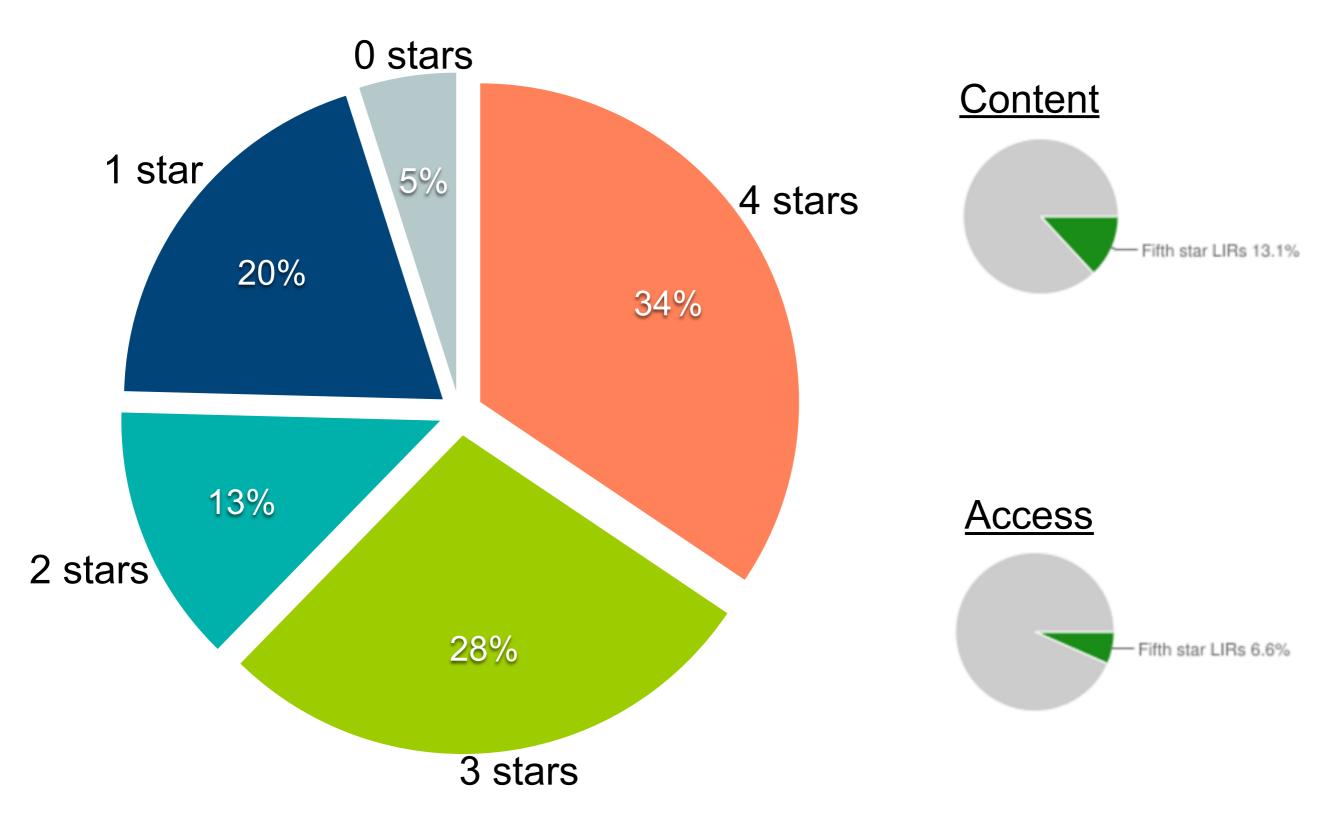


- Rating system to monitor IPv6 deployment among RIPE NCC members
- Stars are awarded for:
 - Obtaining an IPv6 address (allocation)
 - Visibility in global routing table
 - Setting up routing registry entries
 - Setting up reverse DNS
- Per country statistics published daily

http://ipv6ripeness.ripe.net/

IPv6 RIPEness in SI (61 LIRs)





IPv6 RIPEness - fifth star



- Members can qualify for a fifth star
- This measures IPv6 deployment at the edge and looks at:
 - Content 32% of content must be accessible over IPv6; or
 - Access 32% of your customers are IPv6-capable
- The threshold doubles every year
- Get a new 5-star RIPEness t-shirt every year!

http://ipv6ripeness.ripe.net/5star/SI.html

New IPv6 RIPEness t-shirt

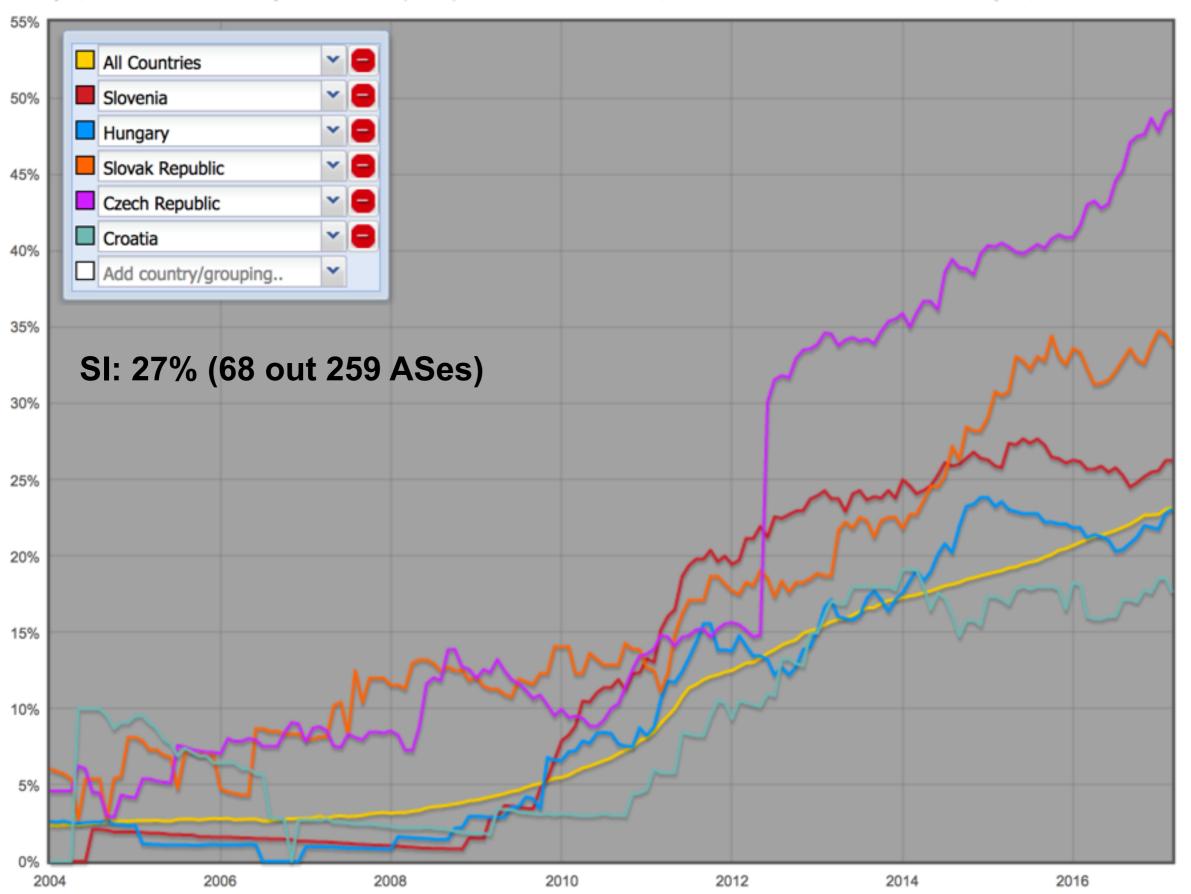


Show us your fifth star and we will send you this t-shirt:-)



ASes announcing IPv6 prefixes







RIPE Atlas

Active measurements network

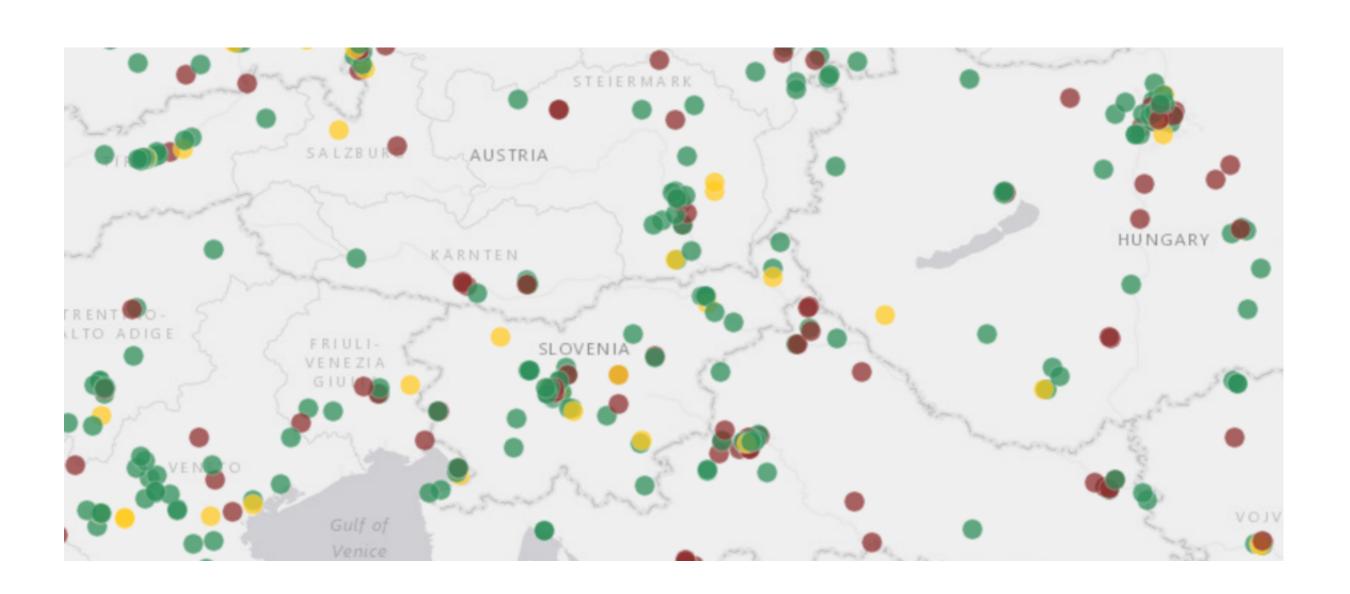


- Probe distribution
 - 9,550 RIPE Atlas probes active
 - 255 active RIPE Atlas anchors
- Coverage
 - 181 countries covered
 - Originating ASes covered
 - 3,330 (IPv4), 1,243 (IPv6)
- ping, traceroute, DNS, SSLcert



RIPE Atlas distribution





Slovenia: Connected: 47 Disconnected: 10 Abandoned: 19

IXP Country Jedi



- IXP-Country-jedi
 - Are the paths between ASes staying in the country?
 - What is the difference between IPv6 & IPv4?
 - How many paths go via a local IXP?
 - Which peer could you add to improve reachability?
- Experimental tool
 - Feature requests welcome!
 - Depends on probe distribution in a country

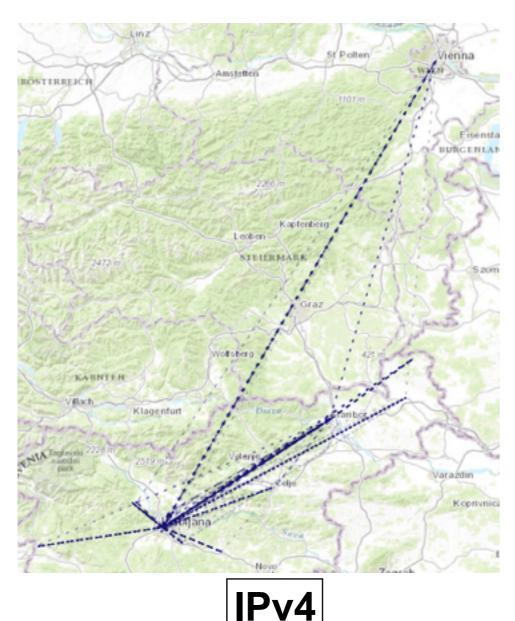


SIX.SI

Difference between IPv4 & IPv6



- Do paths stay in the country?
 - Note: Fewer RIPE Atlas probes support IPv6





IPv6

How many paths go via SIX?



IXP: Yes

Out of country IPs: No

IXP: No

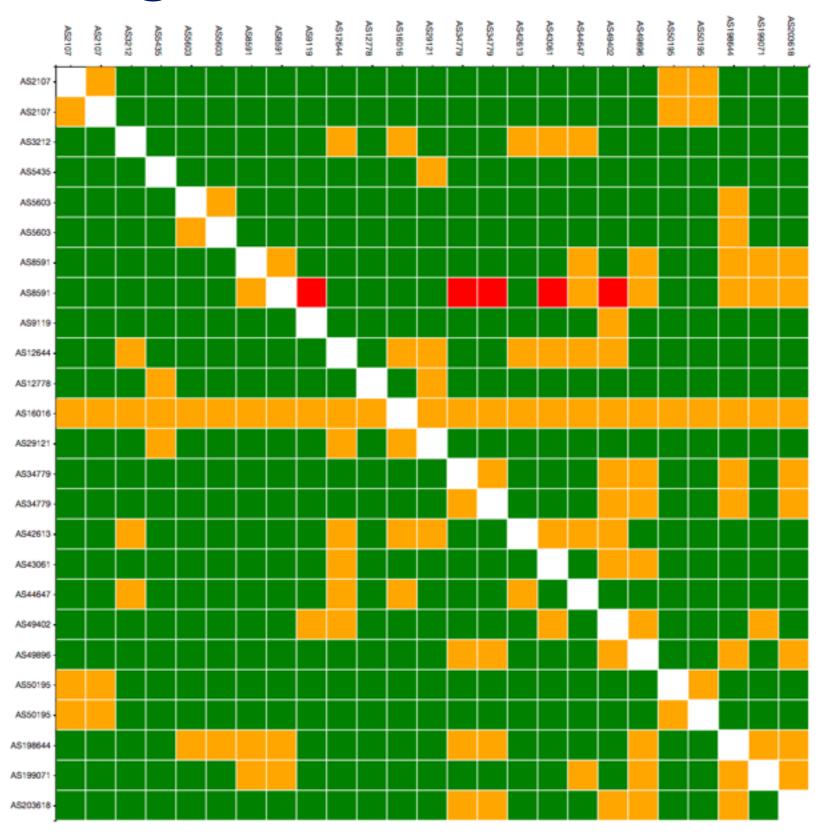
Out of country IPs: No

IXP: Yes

Out of country IPs: Yes

IXP: No

Out of country IPs: Yes

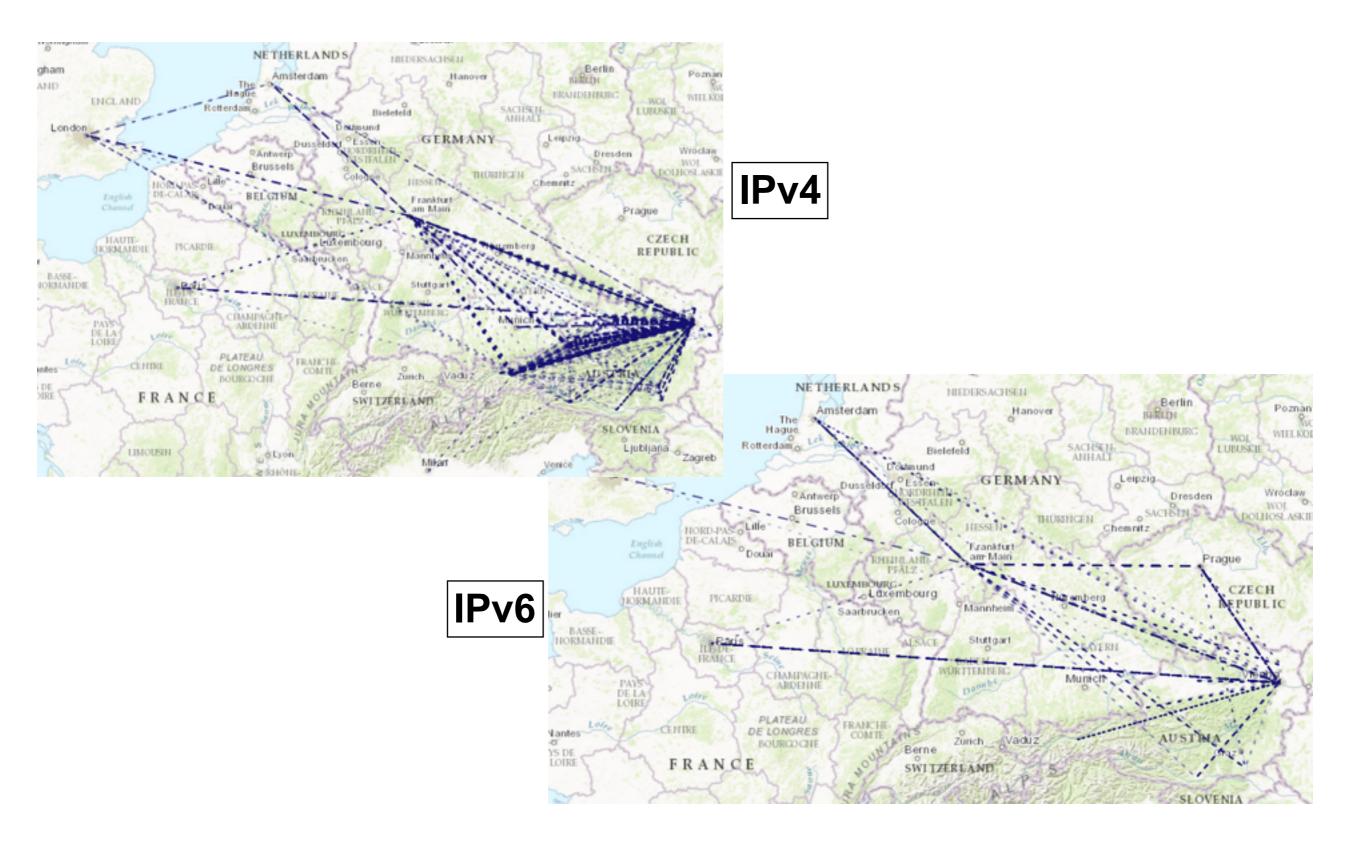




VIX.AT

Difference between IPv4 & IPv6





How many paths go via VIX?



IXP: Yes

Out of country IPs: No

IXP: No

Out of country IPs: No

IXP: Yes

Out of country IPs: Yes

IXP: No

Out of country IPs: Yes



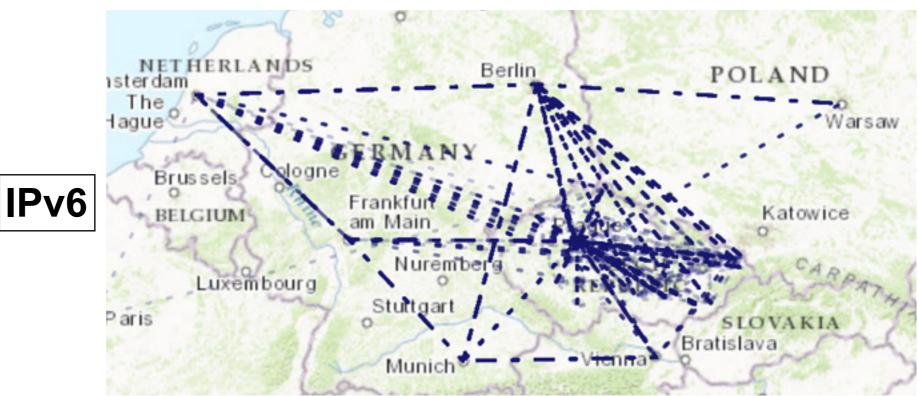


NIX.CZ

Difference between IPv4 & IPv6







How many paths go via NIX.CZ?



IXP: Yes

Out of country IPs: No

IXP: No

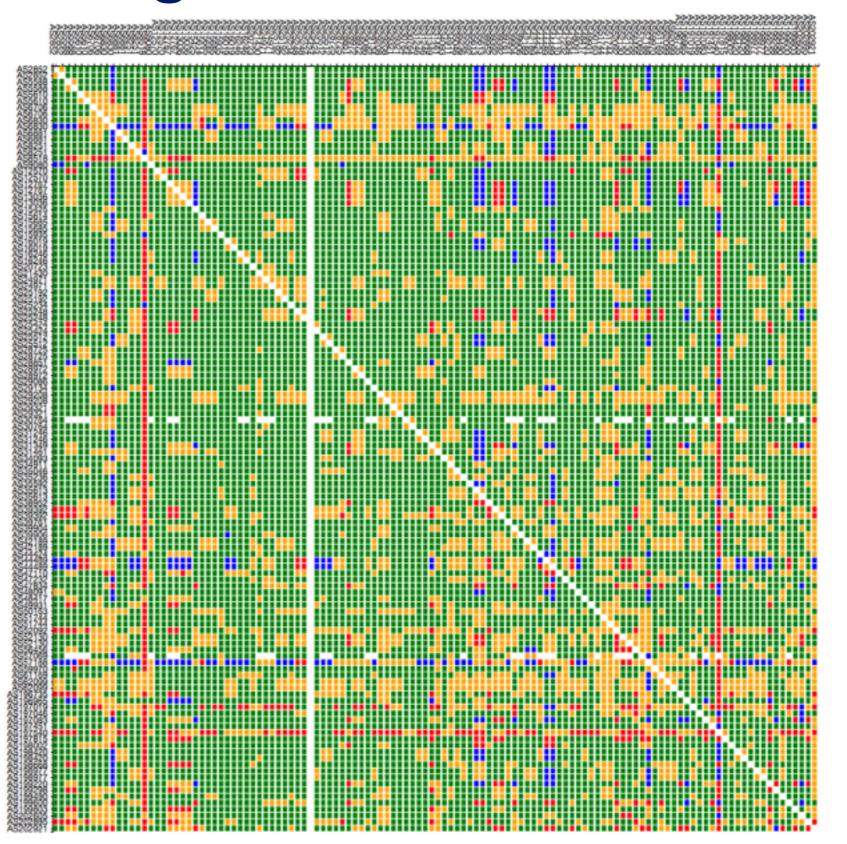
Out of country IPs: No

IXP: Yes

Out of country IPs: Yes

IXP: No

Out of country IPs: Yes

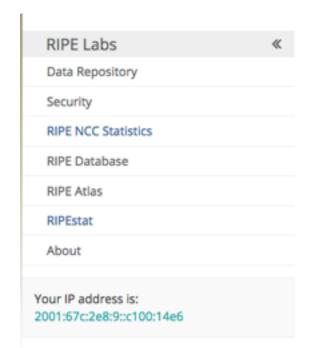




RIPE Labs

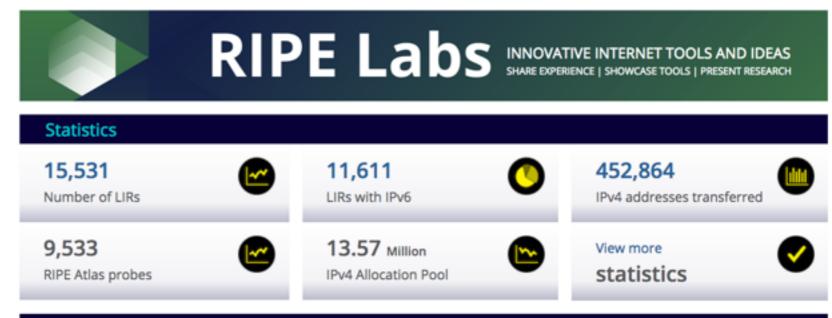
https://labs.ripe.net





TagCloud

BGP DNS IOT Jedi RIPE RIPE Fellowship RIPE Meeting allocation api ases atlas bgp certification community country cpe database datarepository dns dnsmon dnssec geolocation governance hackahtons hackathon hackathons hackerspace ipv4 ipv6 ipv6day ipv6launch ixp k-root lirs measurements meetings members nat operational policy reputation research rex ripestat rs root-servers routing security statistics syria tools transfers visualisation



Articles

RSS 5



Focus on Uzbekistan - RIPE NCC Statistics and Data

Fergal Cunningham — 15 Mar 2017

We take a look at the current Internet status in Uzbekistan using RIPE NCC data and statistics. This is a start of a series featuring various countries in our service region.... Read more

Tags: country







0 likes, 0 dislikes



New RIPE Atlas Root Zone DNS Measurements

Chris Amin — 10 Mar 2017

Two new DNS measurements, both designed to assess the impact of issues with one or more root name servers, have been added to every RIPE Atlas probe. ... Read more

Tags: atlas dns root-servers k-root







0 likes, 0 dislikes

RIPE Labs Statistics Dashboard





Meetings & resources



- RIPE 74: 8 12 May, Budapest, Hungary
- SEE 6: 12 13 June, Budva, Montenegro
- IXP Tools Hackathon Results:
 - https://labs.ripe.net/Members/becha/ixp-tools-hackathon-results
- RIPEstat: <u>stat.ripe.net</u>
- RIPE Atlas: <u>atlas.ripe.net</u>
 - http://sg-pub.ripe.net/emile/ixp-country-jedi/latest/



Questions

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