



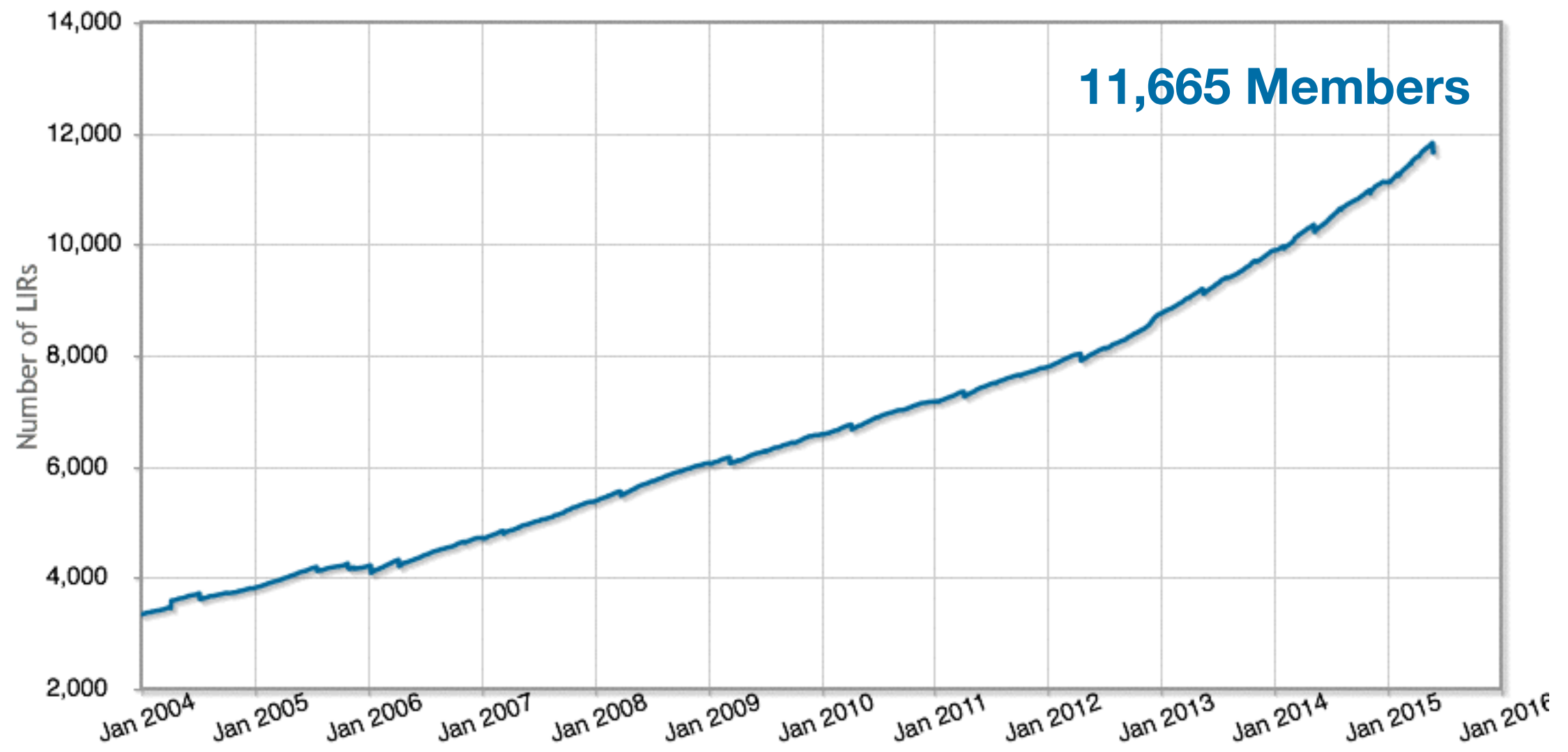
RIPE
NCC

RIPE NCC Update

Axel Pawlik
Managing Director

- Membership continuing to grow
- Expanded regional presence
- IPv4 transfers increasing
- IPv6 gaining momentum
- Member consultation
- New website launched
- Policy developments
- LEA interaction, Internet governance, etc.
- And much more to come...

Total Number of LIRs



- Have expanded in the Middle East and CIS regions:
 - Two new Arabic-speaking staff in Dubai
 - Two new Russian-speaking staff in Moscow
- Improved contact and engagement with regional members, communities and governments
- Smaller, targeted events to meet regional membership needs
- Increasing number of Regional Meetings
 - 2014: Bulgaria, Kazakhstan, Azerbaijan, Iran
 - 2015: Serbia, Georgia, Armenia and others planned

- We still have IPv4 addresses left — more than a /8 in the available pool
 - Every member can get 1,024 addresses (/22)
 - Block reserved for Internet Exchange Points
- Number of transfers increasing:
 - 919 transfers in 2014 / 1,100 so far in 2015
- “Post depletion adjustments” policy changes reduce bureaucracy

<https://labs.ripe.net/Members/wilhelm/ipv4-transfers-in-the-ripe-ncc-service-region>

- Over 70% of our members have IPv6 address space
- Providing technical, hands-on IPv6 training courses
- Improving our online IPv6 training and webinars
- IPv6 Roadshows — 10 planned for 2015
- Appointed an IPv6 Program Manager to coordinate our efforts: Nathalie Trenaman



- IPv4 addresses becoming more valuable
- Hijackers try very sophisticated methods to obtain control over (apparently) unused address blocks
 - Faking registration and identity papers
 - Faking entire websites and domains
- RIPE NCC has to do more thorough checks
 - 233 resources investigated in 2014
 - Finding the right balance between due diligence and being overly bureaucratic

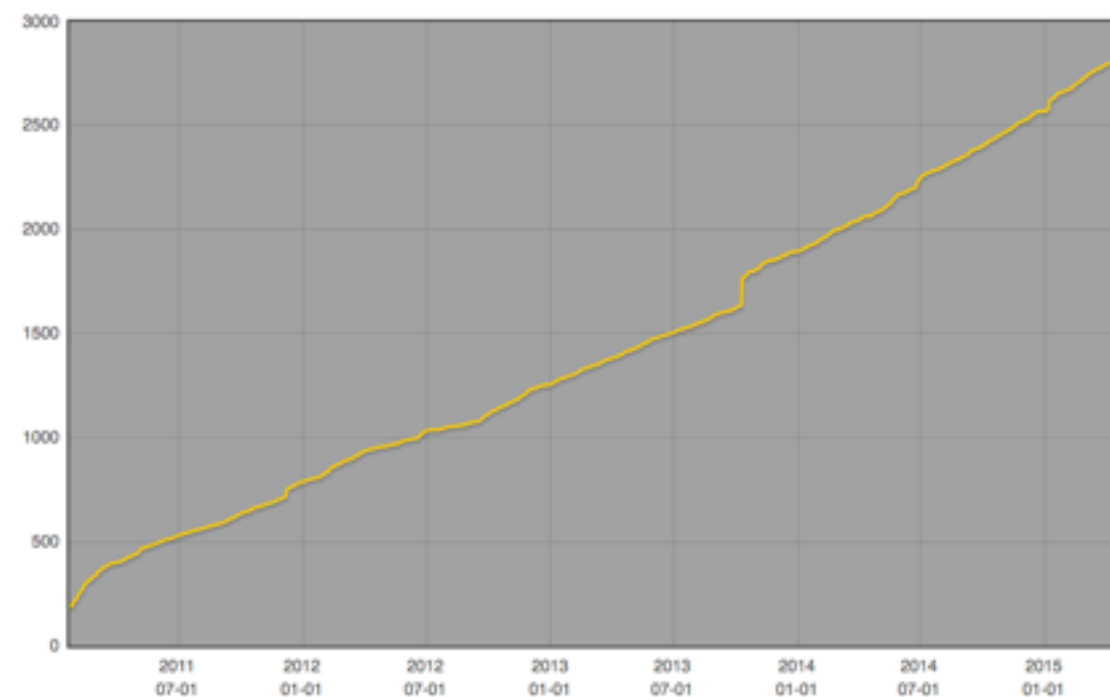
- Helps ensure current and accurate registry
- Provides a more efficient, less time-consuming experience for our members



https://labs.ripe.net/Members/matt_parker/assisted-registry-check-first-results

- 2,800+ members have requested a certificate (24%)
- Members created ROAs covering:
 - 2,310 unique ASNs
 - 10,920 IPv4 prefixes; more than eight /8s of address space
 - 1,660 IPv6 prefixes; more than 11,000 /32 blocks
- Functionality progress
 - All address space (PI and Legacy)
 - RPKI software open-source and stand-alone package
 - Resiliency improvements

RIPE NCC Members with Certificates



- A virtual learning environment launched in late 2014
- Allows members to access training resources in their own time, certify their skills, and connect with our trainers and each other through an interactive portal
- <https://academy.ripe.net>



- Over 3,600 responses to our survey in 2013
- Identified 48 key findings, took actions on these and reported progress to our members and community
- RIPE NCC Consultation Report 2015
 - Interviewed 34 members from 12 countries in our service region: feedback on our progress addressing survey findings and an intermediary step between surveys
 - Report published in January 2015
 - The RIPE NCC Executive Board published a response to the issues raised during consultations

- Redesign based on user feedback and testing
- Three main areas of improvement:
 - More intuitive navigational structure that makes it easier to find information
 - Improved search functionality
 - Updated, more modern visual design

The screenshot displays the RIPE NCC website's new design. At the top left is the RIPE NCC logo with the text 'RIPE NETWORK COORDINATION CENTRE'. To the right is a 'Login' link. Below the logo is a navigation bar with tabs for 'RIPE Database (Whois)' and 'Website'. A search bar prompts users to 'Search the content of this website'. A status bar shows 'Your IP address is: 2001:67c:2e8:9::c100:14e6'. The main navigation menu includes: 'Manage IPs and ASNs', 'Analyse', 'Participate', 'Get Support', 'Publications', and 'About Us'. Each menu item has a corresponding icon and a list of sub-links. Below the navigation menu are four content columns: 'News and Announcements' (listing recent publications), 'Meetings' (listing upcoming regional and general meetings), 'New on RIPE Labs' (listing recent lab results and documents), and 'Service Announcements' (listing network maintenance and NRO news). The footer contains social media icons and a list of links: Home, Sitemap, Contact Us, Service Announcements, Privacy Statement, Cookies, and Copyright Statement.

RIPE NCC RIPE NETWORK COORDINATION CENTRE

RIPE Database (Whois) Website

Search the content of this website

Your IP address is: 2001:67c:2e8:9::c100:14e6

Manage IPs and ASNs > Analyse > Participate > Get Support > Publications > About Us >

Manage IPs and ASNs
IPv4, IPv6 and ASNs
LIR Portal
RIPE Database
Resource Transfers and Mergers

Analyse
RIPE NCC Statistics
RIPEstat
RIPE Atlas
Raw Datasets

Participate
RIPE NCC Membership
RIPE Community
Policy Development Process
Internet Governance

Get Support
Contact Us
Training and Education
Documentation
Spam, Hacking and Phishing

Publications
RIPE Documents
RIPE Labs
IPv6 Info Centre
RIPE NCC Activity Plan

About Us
What We Do
Staff
Executive Board
Corporate Governance

News and Announcements
RIPE NCC Participation at MENOG 15
Publication date: 10 Apr 2015
RIPE NCC IPv4 Address Space Chart - Now Updated
Publication date: 07 Apr 2015
Meeting with Law Enforcement Agencies
Publication date: 20 Mar 2015

Meetings Recent
SEE 4/RIPE NCC Regional Meeting
21 Apr 2015 - 22 Apr 2015 Belgrade, Serbia
RIPE 70 Amsterdam
11 May 2015 - 15 May 2015 Amsterdam, the Netherlands
RIPE NCC General Meeting May 2015
13 May 2015 - 15 May 2015 Amsterdam, Netherlands
RIPE NCC Regional Meeting Tbilisi
19 May 2015 - 20 May 2015 Tbilisi, Georgia

New on RIPE Labs
RIPE Atlas Hackathon Results
Publication date: 10 Apr 2015
Redesigning the RIPE NCC Website: Template and Visual Design
Publication date: 09 Apr 2015
How does the MENOG Region Measure up?
Publication date: 31 Mar 2015

Service Announcements
Planned Network Maintenance
16 Apr 2015 16:00
NRO News
Comment Phase Open For 2015 ICANN Board Seat 9 Election

f t in YouTube

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- **2014-02 “Allow PI Transfers”**
 - Aligns transfer policy for PI addresses with transfer policy for PA addresses
- **2014-04 “Removing IPv6 Requirement for Receiving Space from the final /8”**
 - Removes the requirement that members must have an IPv6 allocation before they can request an IPv4 /22 from the last /8
 - IPv6 is still necessary for future growth

- **2014-05 “Policy for Inter-RIR Transfers of Internet Resources”**
 - Allows transfers to and from other RIR regions
 - Transfers must comply with the policies in both regions
 - Implementation planned by August
- **2014-12 “Allow IPv6 Transfers”**
 - Aligns transfer policy for IPv6 addresses with transfer policy for IPv4
- **2014-13 “Allow AS Number Transfers”**
 - Aligns transfer policy for AS Numbers with transfer policy for IPv4

- **2015-01 “Alignment of Transfer Requirements for IPv4 Allocations”**
 - Establishes a 24 month holding period before IPv4 /22s from the last /8 can be transferred
- **2015-02 “Keep IPv6 PI When Requesting IPv6 Allocation”**
 - Allows LIRs to keep their IPv6 PI when requesting an IPv6 allocation
- **2015-03 “Assessment Criteria for IPv6 Initial Allocation Size”**
 - Expands the criteria for evaluating IPv6 allocations larger than a /29

- Implementing ripe-605, “RIPE NCC Services to Legacy Internet Resource Holders”
- Legacy resource holders who are not already members can now choose to:
 - Become a RIPE NCC member
 - Register their resources through a sponsoring LIR
 - Have a direct contract with the RIPE NCC
 - Stay as they are

- Continuing to work with community
 - Discussions take place in RIPE Cooperation Working Group, RIPE Meetings and Regional Meetings
- Consolidated RIR IANA Stewardship Proposal (CRISP) team submitted proposal from numbers community on 15 January 2015
 - Proposed establishing RIRs as stewards of number-related IANA functions, new contract between RIRs and ICANN
- RIR legal staff have produced a draft SLA contract that was discussed at RIPE 70

<http://ripe.net/iana-oversight-transition>

- Contributing to global and regional Internet governance discussions
 - Contributing to global and regional events: IGF, EuroDIG, Arab IGF, Russian IGF
 - Engaging with industry partners to engage with broader IG developments (WSIS+10, IANA stewardship outreach)
- Regular Government Roundtable Meetings and outreach
- Working with Law Enforcement Agencies (LEAs) on capacity building
 - Interpol (Eurasia group), Europol, police in Arab states, Iran



RIPE 71

BUCHAREST ROMANIA

16 - 20 November 2015

