



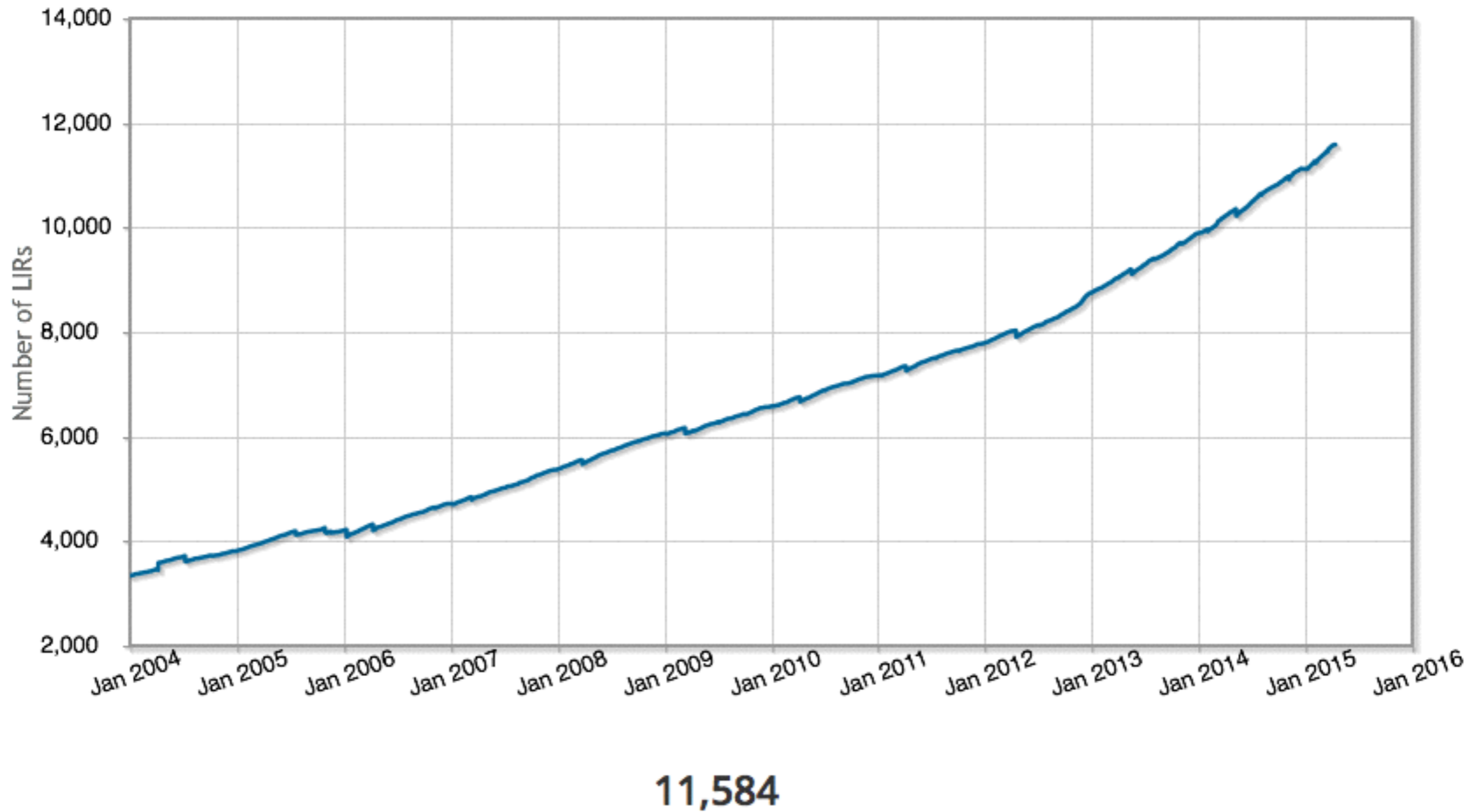
**RIPE
NCC**

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 / 892 so far in 2015
- “Post depletion adjustments” policy changes reduce bureaucracy

- 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

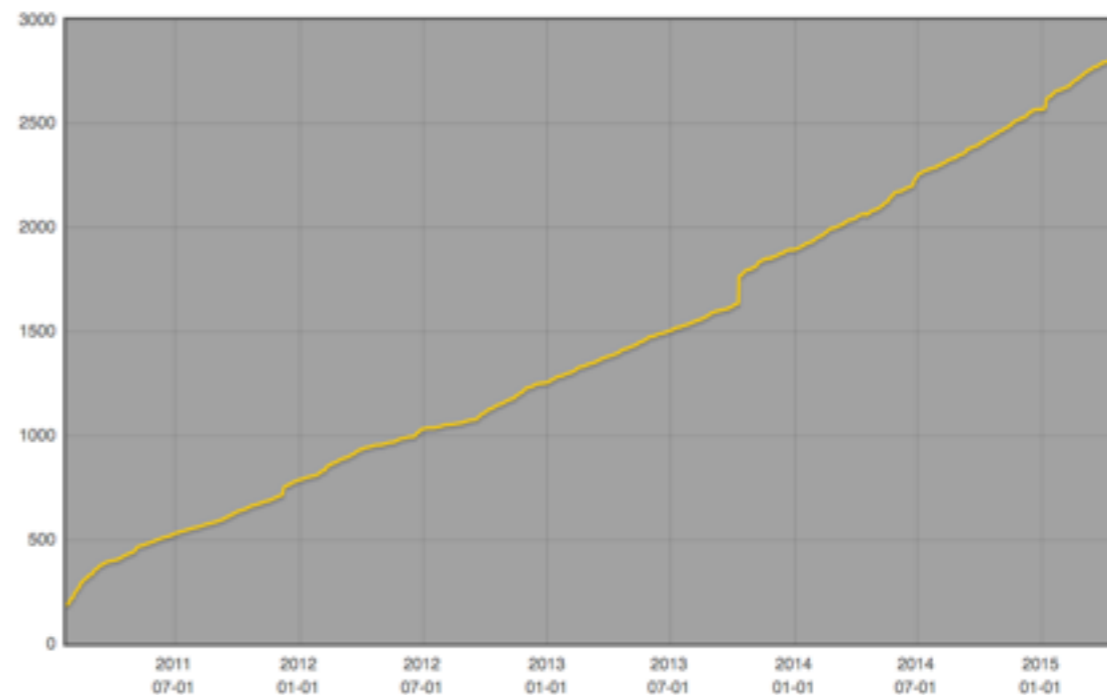
- Helps ensure current and accurate registry
- Provides a more efficient, less time-consuming experience for our members



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

- 2,700+ members have requested a certificate (24%)
- Members created ROAs covering:
 - 2,220 unique ASNs
 - 10,350 IPv4 prefixes; more than eight /8s of address space
 - 1,600 IPv6 prefixes; more than 10,000 /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

RIPE Database Expert Course

Welcome to the RIPE Database Expert Course.
To understand how this course is organised, please click the "Course Guidelines" button on the right.

Pre-Test
Before starting this course, check your knowledge on the RIPE Database.

1 - RIPE Database Basics
Let's get started with the RIPE Database! Learn about the different object types and how they relate to each other.

2 - Registering Contact Information
Create your first RIPE Database objects. Learn how to create a person and role object in the RIPE Database.

3 - Querying the RIPE Database
How can you find information in the RIPE Database? And how can you manage your search results? We will cover that in this module.

4 - Protection Mechanisms
All of your RIPE Database objects must be protected. Learn how to add maintainers to your objects.

5 - Creating Assignments
Learn the concept of Hierarchical authorisation and create assignments in the RIPE Database.

6 - ROUTE and ROUTES Objects
Learn what route and route6 objects are and how you can create them.

7 - Reverse Delegation
Learn how you can setup reverse DNS delegation in the RIPE Database.

Final test
Take this final test to finish the course.
The test is worth 20% of the overall evaluation of the course.

Course Guidelines
Course Objectives
Discussion Forum
Database Objects
Activities
Contact Trainer

Navigation

- Home
- RIPE Database Expert Course
- Pre-Test
- 1 - RIPE Database Basics
- 2 - Registering Contact Information
- 3 - Querying the RIPE Database
- 4 - Protection Mechanisms
- 5 - Creating Assignments
- 6 - ROUTE and ROUTES Objects
- 7 - Reverse Delegation
- Final test

Activities Completed

More activities to do.

Course completion status

Status: Not yet started
All criteria below are required!

Required criteria	Status
Course grade	No grade (0% required)
Activity completion	0 of 13

[More details](#)

- 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
- Launched Monday!

The screenshot displays the RIPE NCC website's new design. At the top left is the RIPE NCC logo and the text 'RIPE NETWORK COORDINATION CENTRE'. To the right, there are tabs for 'RIPE Database (Whois)' and 'Website', a search bar with the placeholder 'Search the content of this website', and a notification 'Your IP address is: 2001:67c:2e8:9::c100:14e6'. Below this is a navigation bar with six main categories: 'Manage IPs and ASNs', 'Analyse', 'Participate', 'Get Support', 'Publications', and 'About Us'. Each category has a corresponding image and a list of sub-links. The main content area is divided into four columns: 'News and Announcements' with three articles, 'Meetings' with a 'Recent' sub-section and three meeting listings, 'New on RIPE Labs' with three articles, and 'Service Announcements' with one article and 'NRO News' with one article. 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 MENO15](#)
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 MENO15 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](#)

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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

- 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 now drafting SLA contract
 - Update and discussion of this work in RIPE 70 Plenary

<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



AMSTERDAM
THE NETHERLANDS
• 11 - 15 MAY 2015 •

