LACNIC Update Report





LACNIC at a glance

- One of the world's 5 RIRs
- Coverage area: 33 territories
- 2 NIRs and also co-founders of LACNIC (NIC.br in Brazil and NIC.mx in Mexico)
 NIR's members are LACNIC's members
- Over 5000 Members
- 44 full time staff, from 9 countries
- Since 02/2015: New CEO, Oscar Robles

Membership Growth





Resources Update

IPv4 Depletion Phases

Current Phase

PHASE 0 PHASE 1 PHASE 2 PHASE 3

06/2014

PHASE 2

• Two /11 IPv4 blocks reserved: • For both blocks:

One for "Softlanding" Max allocation -> /22

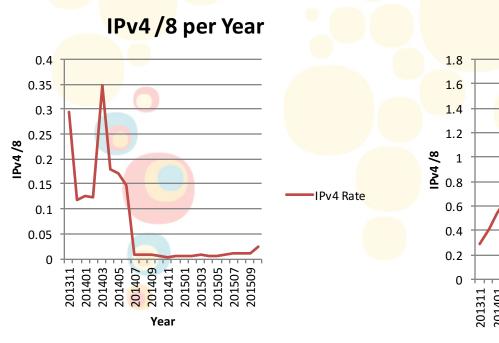
Another for NEW members only Min allocation -> /24

- Organizations may request additional resources every 6 months. This process will be implemented until the /11 reserved for gradual exhaustion is finally exhausted.
- Resources allocated by IANA to LACNIC will only be allocated/assigned under the guidelines set forth on new members only (Phase 3)

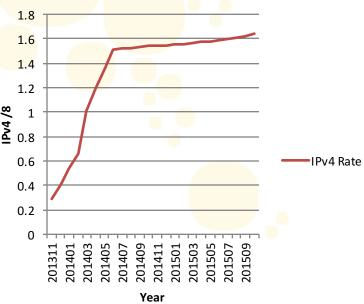
http://www.lacnic.net/en/web/lacnic/agotamiento-ipv4lacnic

Resources Update

IPv4 Assignments





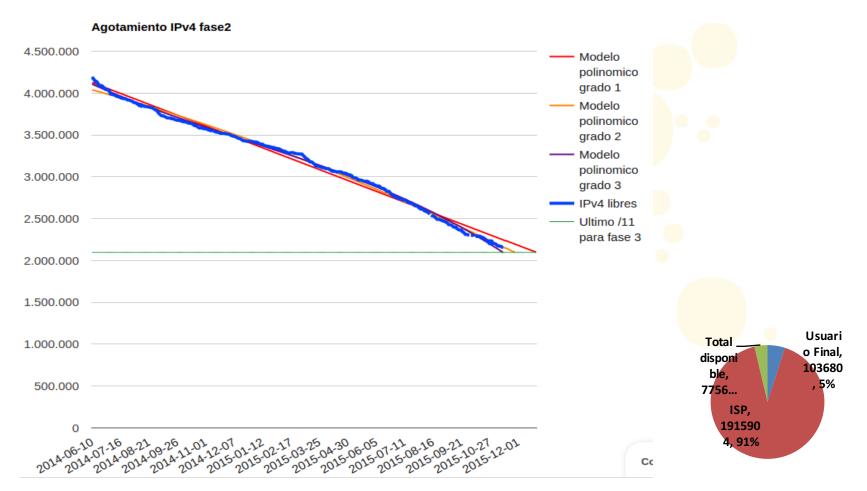


• <u>IPv4 Pool Status</u> (Oct 31th, 2015) 2,153,728 Free IPv4 addresses (0.128 /8s)



Resources Update

Modeling Exhaustion





Policy Update

https://politicas.lacnic.net/politicas/list

	Proposal	Status
1	LAC-2015-1: Trigger 2.3.2.18 when a justified request larger than /22 is received which can not be allocated from any remaining pool of addresses at LACNIC.	Under Analysis by the Board
2	LAC-2015-2: Inter-RIR Transfers	Abandoned
3	LAC-2015-3: IPv4 exhaustion policy with a scheduled termination date and the scheduled return of large users' blocks.	Under discussion
4	LAC-2015-4: Resource Recovery Timeline	Under Analysis by the Board
5	LAC-2015-5: Increase the minimum period of time required before a block can be transferred under section 2.3.2.18	Under Analysis by the Board
6	LAC-2015-6: Modify the scope of IPv4 Exhaustion Phase 2 for the region Type: Expedited	Ratified by the Board



Capacity building





CAPACITY BUILDING: IPv6 & SECURITY

WORKSHOPS

IPv6: <u></u>6

Several Workshops in the region (Trinidad and Tobago 3/2015, Costa Rica and Nicaragua 4/2015)
https://eventos.lacnic.net/ev3/

Security: amparo MARP

- Computer Security incident response in Costa Rica (3/2015)
- Cybersecurity Forum held at Colombia (8/2015)
- Information Security workshop in Paraguay (8/2015)
- Upcoming workshops: Cuba

TRAINING COURSES



- Four IPv6 online basic courses at LACNIC campus during 2015
- Upcoming course: IPv6 advanced course http://campus.lacnic.net/
- First "Testing v6" Tutorial in LACNIC 23 (Perú)(5/2015)
- "Testing v6" online course will be launched in 4Q2015 http://www.lacnic.net/en/web/lacnic/testingv6certi/6



CAPACITY BUILDING: IXP Trainings

- BGP & RPKI & IPv6 training
- Peering and IXPs promotion
- Several workshops:
 - Argentina
 - Nicaragua
 - Honduras
 - Panama
 - Peering tutorials at LACNIC23 & LACNIC24



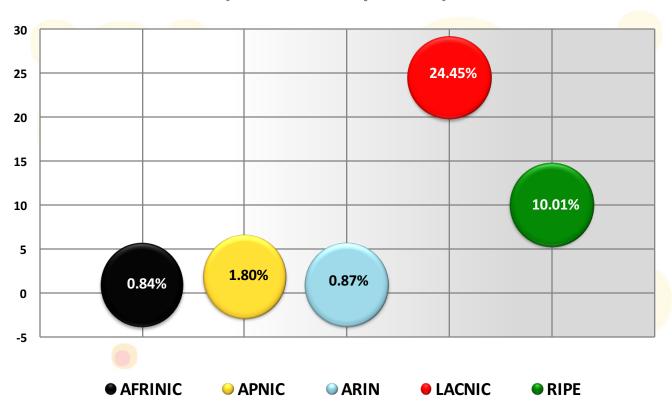
Security & Stability





RPKI Adoption Rate

(Breakdown per RIR)



Source: http://rpki.surfnet.nl/perrir.html



IPv6 deployment study

- LACNIC and Banco CAF are conducting a study about IPv6 deployment in LAC region
- A sample of 10 countries was selected: Argentina, Chile, Bolivia, Peru, Ecuador, Venezuela, Colombia, Panama, Republica Dominicana, Trinidad & Tobago
- Interviews mainly with ISPs, but also with governments and academic community
- The study will be available next month
- It will help to understand:
 - Why IPv6 is still in low adoption in LAC
 - What can be done to improve that situation
- Guides, recommendations, best practices
- Economic model



IPv6 deployment

- Regional success stories
 - Peru (15% IPv6 preference)
 - Ecuador (7%)
 - Brazil (6%)
 - Bolivia (2.0%)







Cooperation

+RAICES

- Support for installation of anycast copies of root-servers in the region
 - Better access to one of the critical Internet resources: DNS
 - Better connectivity of local users and ISPs
- LACNIC coordinates with host institutions and with the root servers operators
- Currently working with root-servers F, L, K, I

RIPE ATLAS

- We are encouraging the participation in RIPE ATLAS
 - Distributing probes
 - Support for anchors deployment



Other initiatives





LACNIC WARP (Warning Advice and Reporting Point): Computer security incident response center for LACNIC members focusing on incidents related to number resource misuse, operative since March, 2015.

http://www.lacnic.net/en/web/warp/inicio

CERTIV6 and TESTINGV6:

CERTIV6: This is a generic methodology designed 2 years ago by LACNIC and CES (the Uruguayan Software Testing Center) for ensure compatibility of equipment and applications in IPv6.

TESTINGV6: This is the name of several training courses on how to implement the methodology and test equipment and applications in IPv4, IPv6, and dual-stack environments.

http://www.lacnic.net/en/web/lacnic/testingv6



Internet Governance &

Development and Community Building

- Active role as a RIR in the IANA Functions
 Stewardship transition process
- LACIGF 8 (Aug 2015 México) Preparatory meeting to the IGF (Nov 2015 Brazil)
- FRIDA Project: Regional fund for Digital Innovation in Latin America and the Caribbean





Meetings/Events:



LACNIC23

18/22 Mayo | Lima, Perú



UPCOMING MEETINGS:



LACNIC 24/LACNOG 2015Sept 28 to Oct 2, 2015

Bogotá - COLOMBIA



Nov 2 to Nov 5, 2015

Ciudad de Belice - BELICE



LACNIC 25

May 2 to 6, 2016

La Habana - CUBA



Dankie Gracias Спасибо Köszönjük Grazie Dziękujemy Dekojame Dakujeme Vielen Dank Paldies
Täname teid 谢谢
Than Kiitos Täname teid 谢谢 感謝您 Obrigado Teşekkür Ederiz 감사합니다 Σας Ευχαρισ<mark>το</mark>ύμ Bedankt Děkujeme vám ありがとうございます Tack

