



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Transfers in the RIPE NCC Service Region

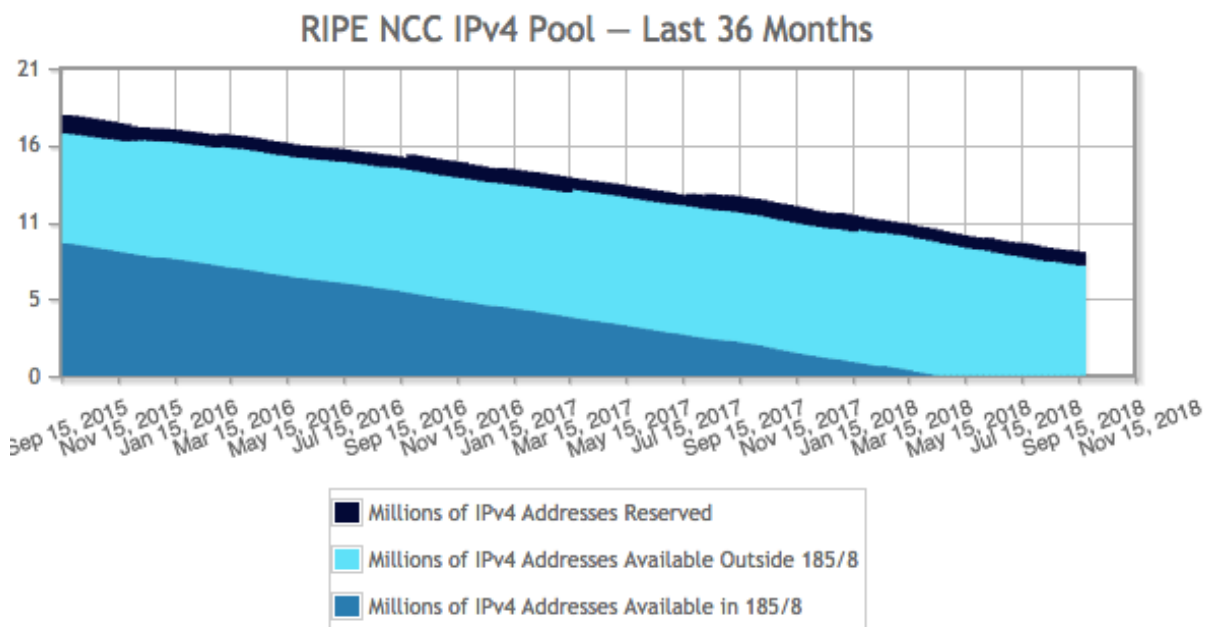
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Andrea Cima | 26 September 2018 | LACNIC 30



IPv4 Status

Available IPv4 Pool



Distribution Policy



- Current IPv4 allocation policy in the RIPE Region
 - Each LIR can receive one final allocation from our remaining pool
 - Allocation size: 1,024 addresses (/22)
 - For both new and existing members
 - IPv4 addresses cannot be transferred for 24 months from the date they were received by the resource holder

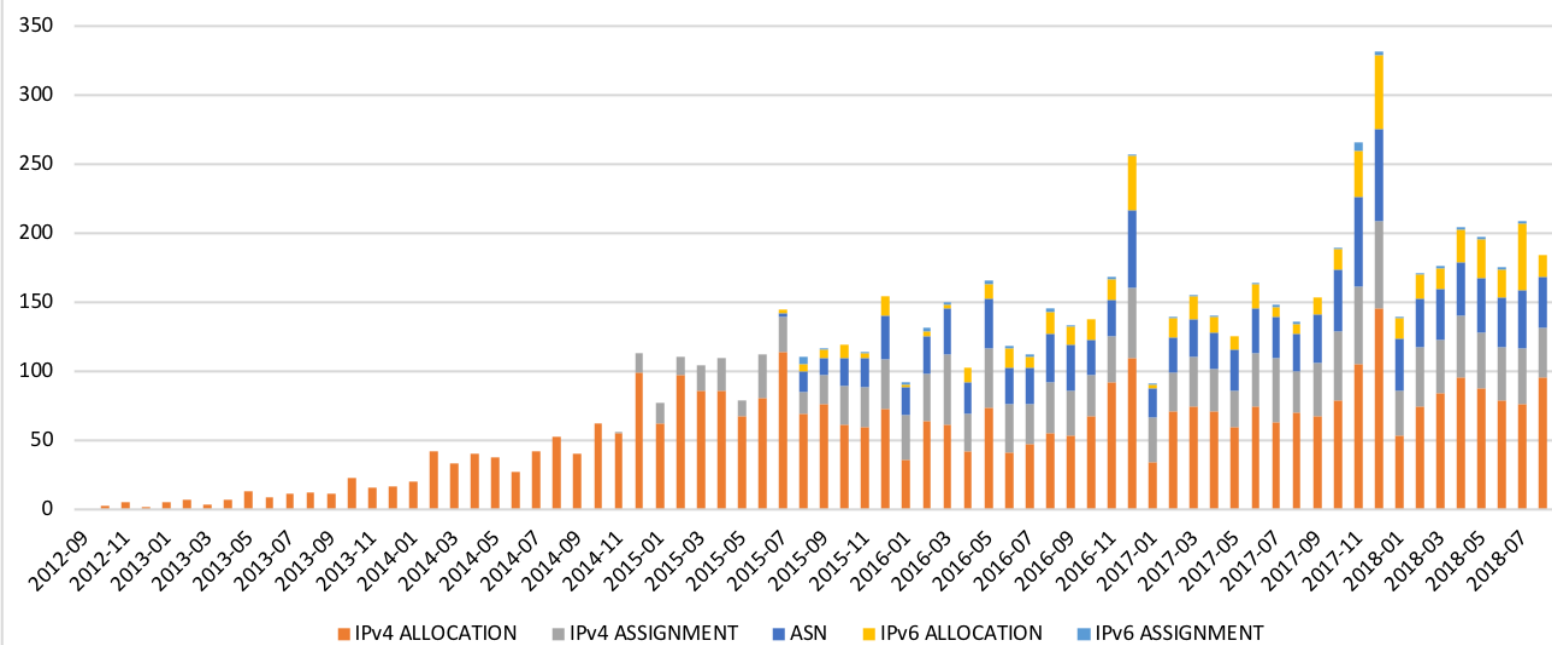


Transferring IPs

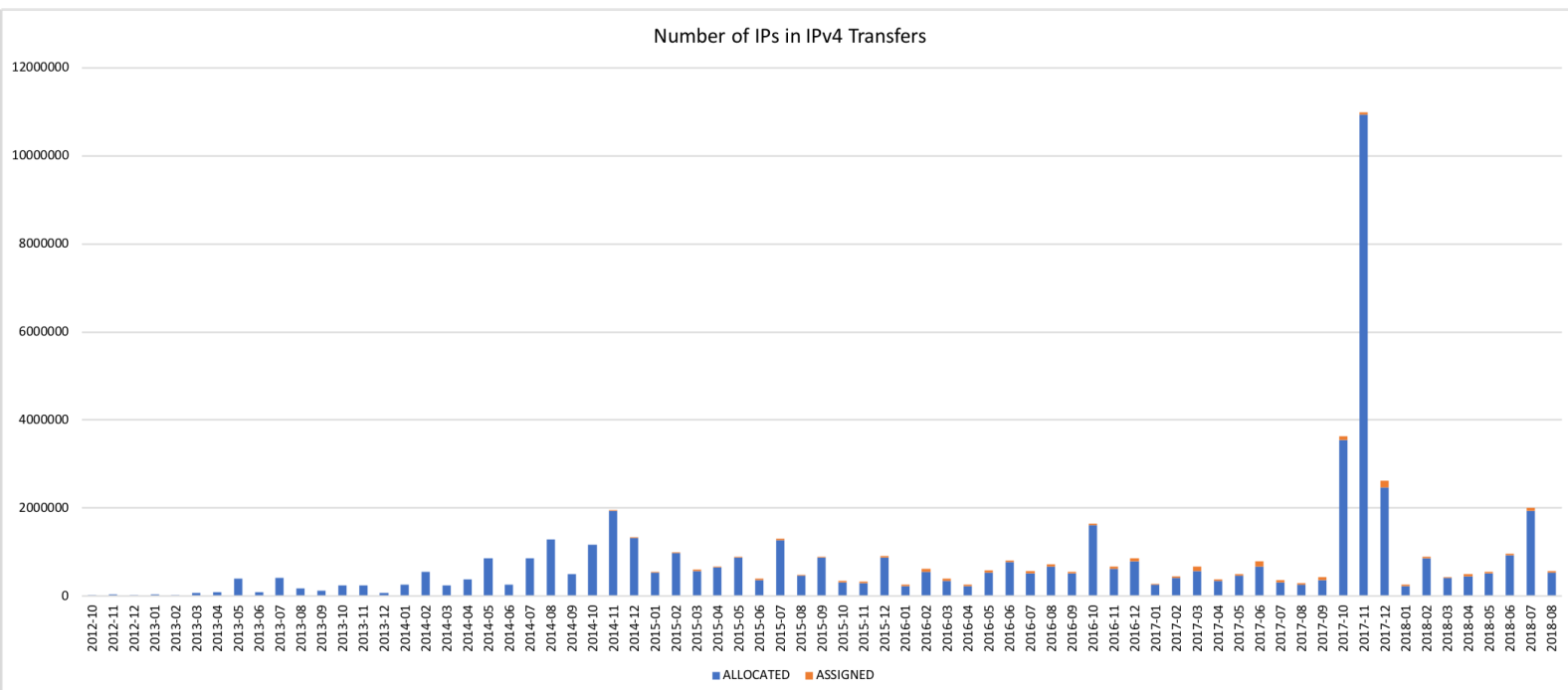
Resource Transfers



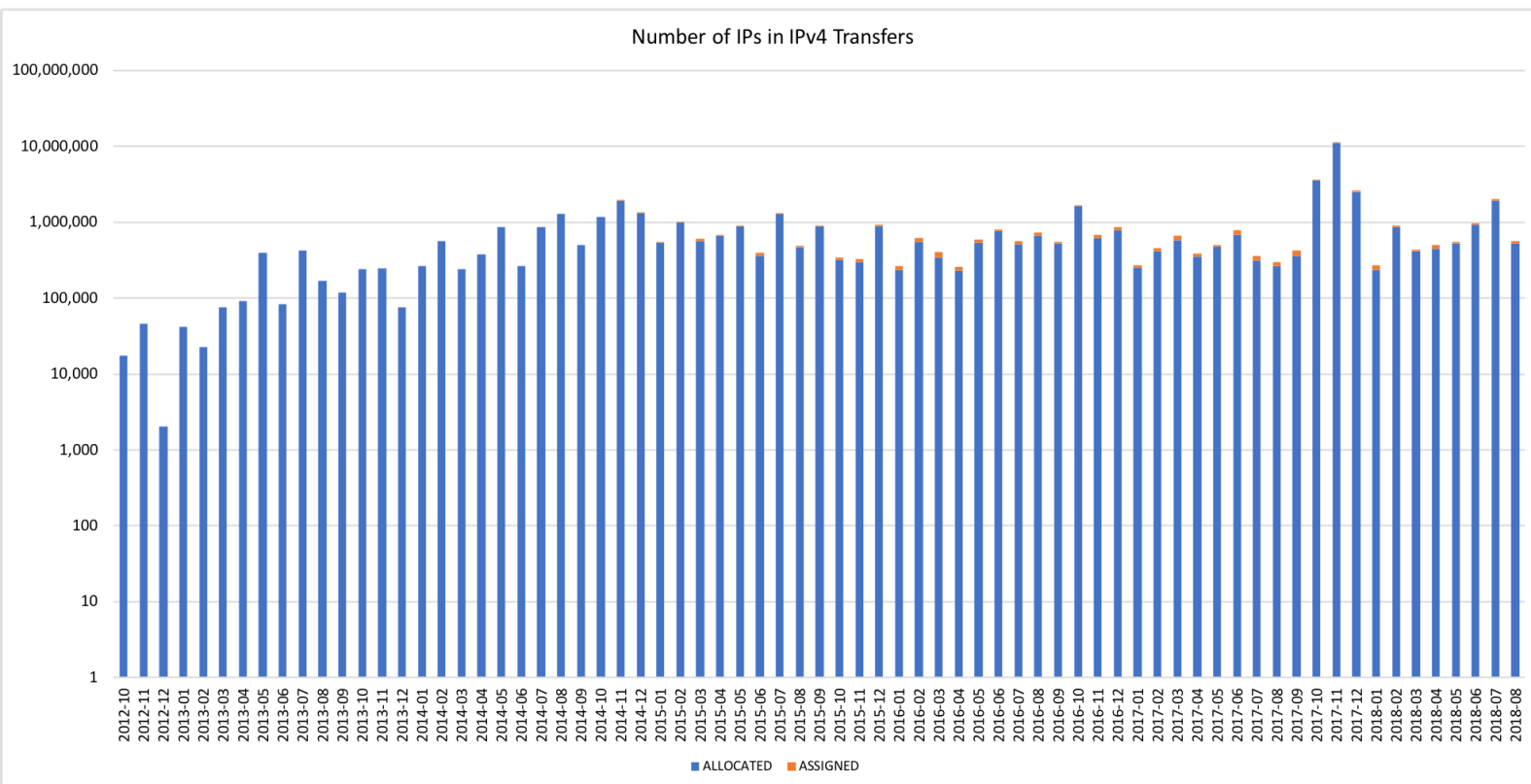
Number of Transfer Requests



IPv4 Addresses Transferred



IPv4 Addresses Transferred - Logarithmic Scale



Transfer Policy



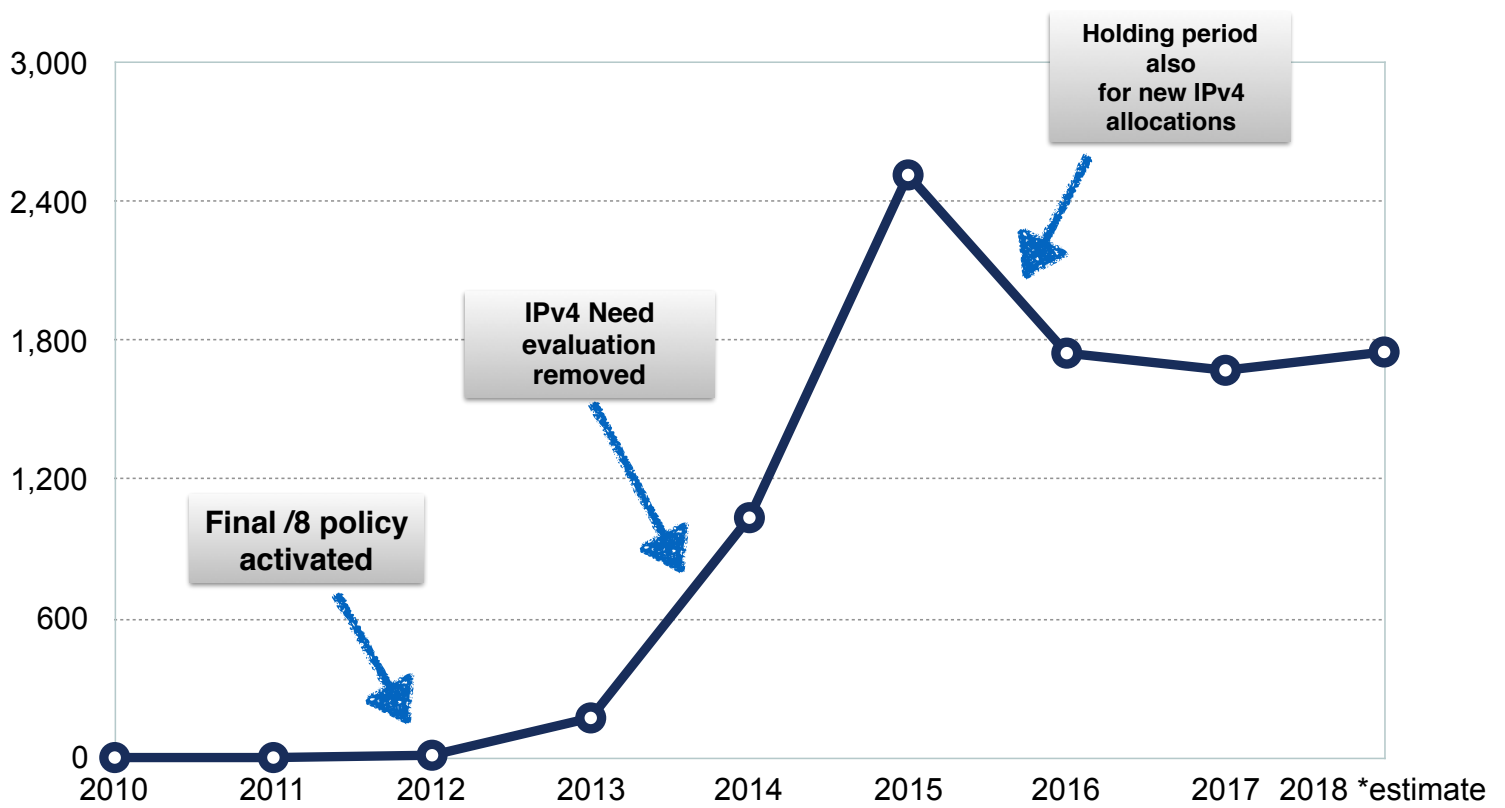
- Current transfer policy in the RIPE Region
 - Must be reflected in the RIPE Database
 - Can be on a permanent or non-permanent basis
 - Scarce resources (such as IPv4 or 16-bit ASNs), cannot be transferred for 24 months from the date the resource was received by the resource holder

Transfer Policy History



- Before 2008 - LIRs must inform the RIPE NCC when an "exchange or transfer address space" takes place
- Dec 2008 - 1st transfer policy: IPv4, only LIR-to-LIR, need-based (approval), 24 month quarantine after transfer
- Feb 2013 - publication of completed transfers
- Feb 2014 - no longer need-based
- Sep 2014 - IPv4 PI transfers
- Mar 2015 - IPv6 and ASN transfers
- Apr 2015 - Inter-RIR transfers
- Jul 2015 - 24 month quarantine for newly issued blocks too
- Sep 2016 - A single transfer policy document; 24 months quarantine after mergers as well for IPv4 and 16-bit ASNs

Transfer Policy Impact



IPv4 Transfers: Where to Look



- RIPE NCC IPv4 Transfer Listing Service
 - Facilitates demand and supply, **increasing transparency**
- List of “recognised” brokers on our website
 - Brokers who have signed an agreement to follow RIPE Policies and RIPE NCC procedures
- RIPE NCC not a party in any commercial agreement or financial transaction

Increase in Disputes Over IP Addresses



- Disputed transfers
 - Outdated contact information
 - “LIR contact was no longer working at the company”
- Hijacked, disputed LIR accounts
 - LIR contacts removing other contacts
 - LIR accounts opened on behalf of organisations that were unaware of this

IPv4 Hijacks



- IPv4 addresses are valuable due to scarcity
- Criminals use very sophisticated methods to obtain control over (seemingly) unused address blocks
 - Faking registration and identity papers
 - Faking entire websites and domains
- Hijackers often target resources with outdated contact details!

What can you do?



- Ensure you regularly review your details with LACNIC and keep Database records up-to-date
- If acquiring resources, make sure you:
 - are in contact with the legitimate holder
 - the person you are dealing with is authorised
- Check your information at regular intervals and process any changes right away
- When in doubt - contact LACNIC!



Questions



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