

IANA Update

LACNIC XII - Panamá City

May 2009

Pablo Hinojosa

Global Partnership - Latin American Liaison



Internet Corporation for
Assigned Names & Numbers

Topics

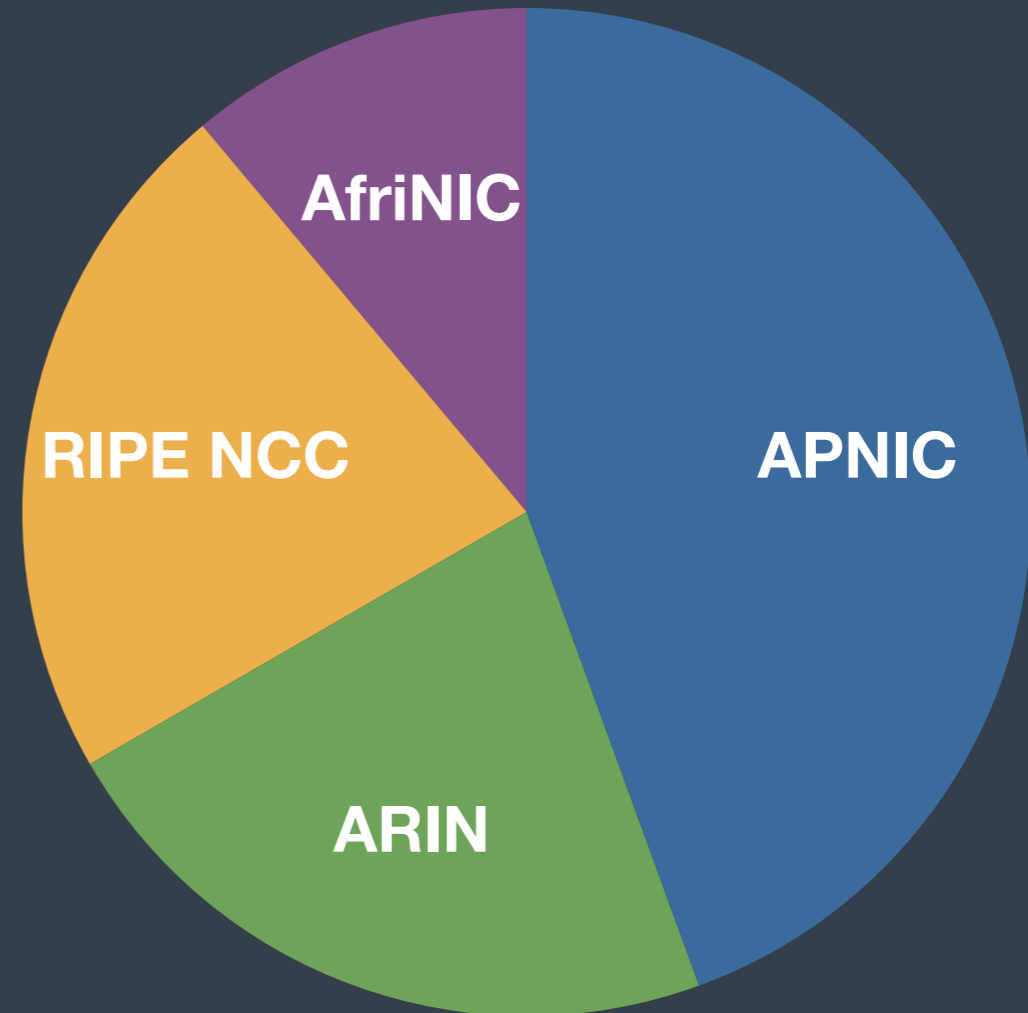
- ▶ Global Policy
- ▶ IPv4 Pool Status
- ▶ AS Number Pool Status
- ▶ IETF Work
- ▶ New Views of Registry Data
- ▶ Automating & Securing Reverse DNS Management

Global Policy

- ▶ “Global Policy for the Allocation of the Remaining IPv4 Address Space” ratified by the ICANN board on 6 March 2009
- ▶ 5 /8s have been selected and set aside
- ▶ Prepared for the final IPv4 allocation

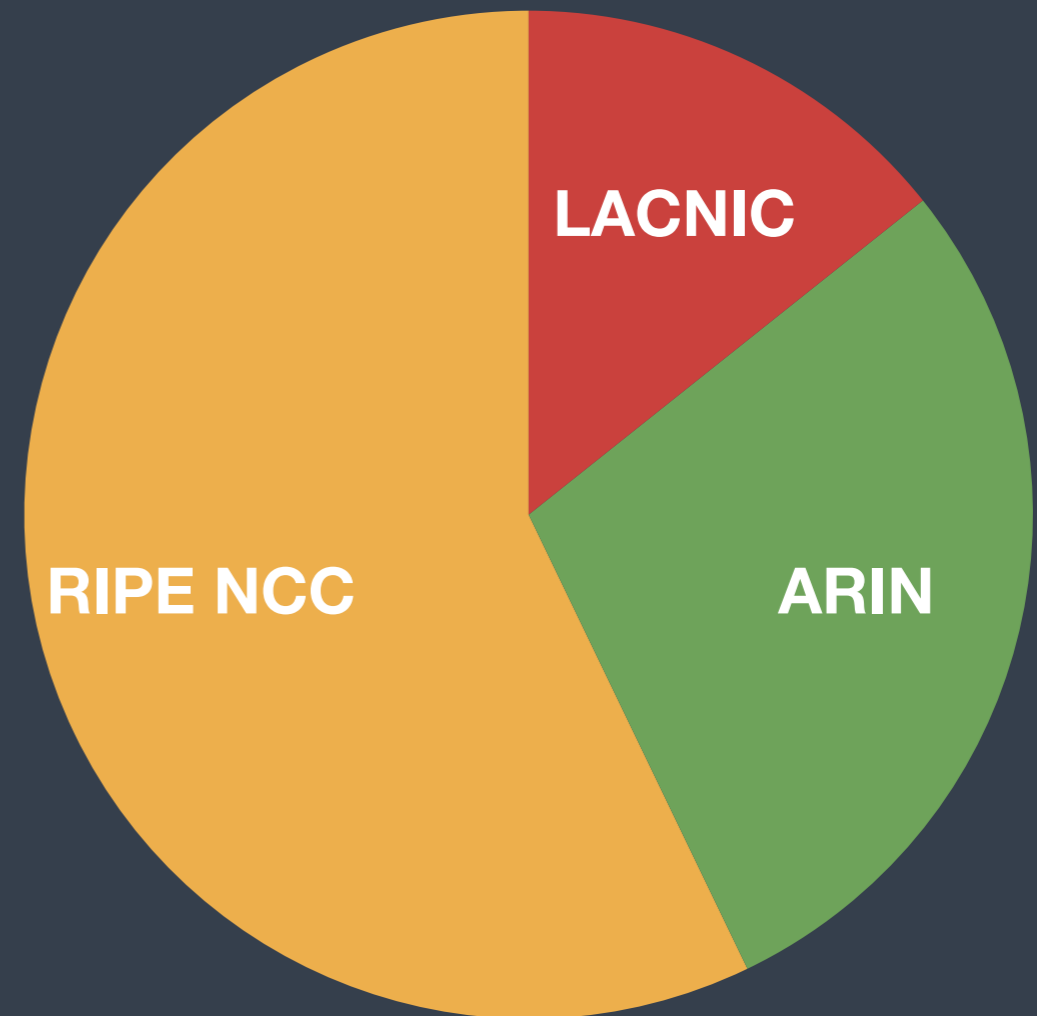
IPv4 - since LACNIC XI

- ▶ 30 /8s remain unallocated
- ▶ 8 /8s allocated
 - ▶ 4 to APNIC
 - ▶ 2 to ARIN
 - ▶ 2 to RIPE NCC
 - ▶ 1 AfriNIC



AS Numbers - since LACNIC XI

- ▶ 6 16-bit blocks allocated
 - ▶ 1 to LACNIC
 - ▶ 2 to ARIN
 - ▶ 4 to RIPE NCC



IETF work

- ▶ draft-iana-rfc3330bis
 - ▶ Last Called. Will be Last Called again as a BCP
- ▶ draft-iana-special-ipv4-registry
 - ▶ Creates a registry for IETF protocol assignments from 192.0.0.0/24
- ▶ draft-ietf-mboned-rfc3171bis
 - ▶ WG Last Called. Issues raised will be addressed.

New Views of Registry Data

- ▶ We maintain 5 IPv6 registries, each for a different part of the space
- ▶ We are developing a single view of these registries
- ▶ It will allow branches to be collapsed/expanded
- ▶ It will show/hide unallocated space

Now you see it... now you don't

2880::/9	Unallocated	
2900::/8	Unallocated	
2A00:0000::/12	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2A10::/12	Unallocated	
2A20::/11	Unallocated	
2A40::/10	Unallocated	
2A80::/9	Unallocated	
2B00::/8	Unallocated	
2C00:0000::/12	AfriNIC	[IANA registry ipv6-unicast-address-assignments]
2C10::/12	Unallocated	
2C20::/11	Unallocated	
2C40::/10	Unallocated	
2C80::/9	Unallocated	
2D00::/8	Unallocated	
2E00::/7	Unallocated	
3000::/4	Unallocated	
4000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
6000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
8000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
A000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
C000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
E000::/4	Reserved by IETF	[IANA registry ipv6-address-space]
F000::/5	Reserved by IETF	[IANA registry ipv6-address-space]
F800::/6	Reserved by IETF	[IANA registry ipv6-address-space]
FC00::/7	Unique Local Unicast	[IANA registry ipv6-address-space]
FE00::/9	Reserved by IETF	[IANA registry ipv6-address-space]
FE80::/10	Link Local Unicast	[IANA registry ipv6-address-space]
FEC0::/10	Reserved by IETF	[IANA registry ipv6-address-space]
⊕ FF00::/8	Multicast	[IANA registry ipv6-address-space]
<input checked="" type="checkbox"/> Show unallocated space		

2001:4A00::/23	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2001:4C00::/23	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2001:5000::/20	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2001:8000::/19	APNIC	[IANA registry ipv6-unicast-address-assignments]
2001:A000::/20	APNIC	[IANA registry ipv6-unicast-address-assignments]
2001:B000::/20	APNIC	[IANA registry ipv6-unicast-address-assignments]
2002:0000::/16	6to4	[IANA registry ipv6-unicast-address-assignments]
2003:0000::/18	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2400:0000::/12	APNIC	[IANA registry ipv6-unicast-address-assignments]
2600:0000::/12	ARIN	[IANA registry ipv6-unicast-address-assignments]
2610:0000::/23	ARIN	[IANA registry ipv6-unicast-address-assignments]
2620:0000::/23	ARIN	[IANA registry ipv6-unicast-address-assignments]
2800:0000::/12	LACNIC	[IANA registry ipv6-unicast-address-assignments]
2A00:0000::/12	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2C00:0000::/12	AfriNIC	[IANA registry ipv6-unicast-address-assignments]
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Automating & Securing Reverse DNS Management

- ▶ Systems for securely accepting DNSSEC delegation material from RIRs signing reverse domains passed alpha testing
- ▶ Beta testing targeted (and on target) for last week of July
- ▶ Thanks to RIR technical staff for their cooperation

Gracias

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