

APNIC update

JPNIC OPM

7 July 2006

Tokyo, Japan

Overview

- Policy update
- APNIC public/private whois
- Recovery of historical resource
- De-bogon new /8
- IPv4 address space

Policy development update

- Nov 2005, APNIC EC endorsed
 - prop-005-v005 IANA policy for allocation of IPv6 blocks to RIRs (global)
 - prop-030-v002 Deprecation of ip6.int reverse DNS service
 - prop-031-v002 Proposal to amend APNIC IPv6 utilisation requirement policy
- May 2006
 - APNIC EC requested to endorse prop-032-v002 4-byte ASN policy proposal (global)
 - Consensus in all RIR
- June 2006
 - New policy page
 - <http://www.apnic.net/policy>

Status in IPv4 policy discussions

Proposal discussion	RIR	Status
Apply HD ratio for IPv4 allocations	APNIC, LACNIC RIPE	No consensus No consensus Withdrawn
Resource recovery	LACNIC	Consensus
Global addresses for private network inter-connectivity	ARIN	Adopted
Address space for anycast services	RIPE ARIN	In review period Abandoned

Status in IPv6 policy discussions

Proposal discussion	RIR	Status
HD ratio to 0.94	APNIC ARIN RIPE LACNIC	Endorsed Adopted Under discussion Under final discussion
Amend IPv6 assignment and utilisation requirements	APNIC RIPE ARIN	APNIC 22 Under discussion Adopted
IPv6 blocks from IANA to RIRs (global policy)	ALL	Endorsed in all regions
Address space for anycast services	RIPE	Under discussion
IPv6 portable assignment (multihoming solution)	Others ARIN	Under discussion Consensus for /48

General global status

- Deprecation of ip6.int reverse DNS service
 - Implemented 1 June 2006
- DNSSEC in reverse tree
 - Implemented in RIPE
- Resource certification
 - Globally support
 - Issues
 - Tool to help isp implement
 - Historical address holders

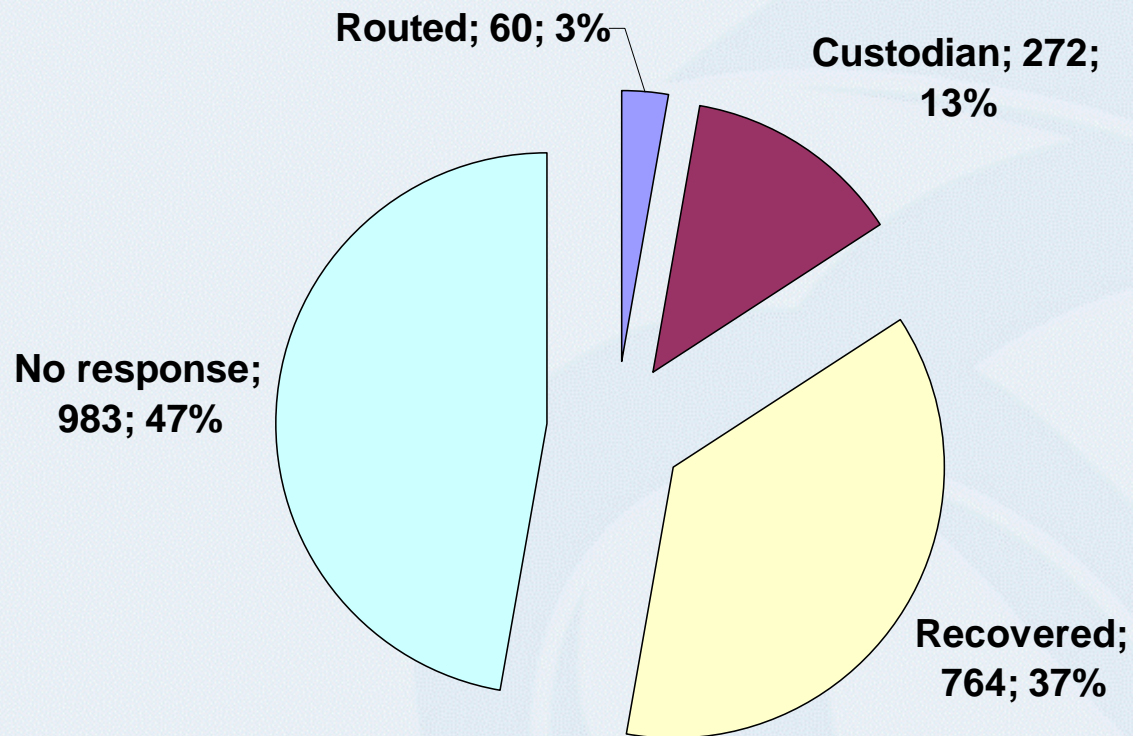
Public and private whois

- APNIC public whois
 - Only customer assignments (>/30)
 - Member manage via email update
- Private whois
 - Customer and infrastructure (optional)
 - Manage via MyAPNIC interface
- NIR mirroring of whois
 - Only FTP public assignments to APNIC

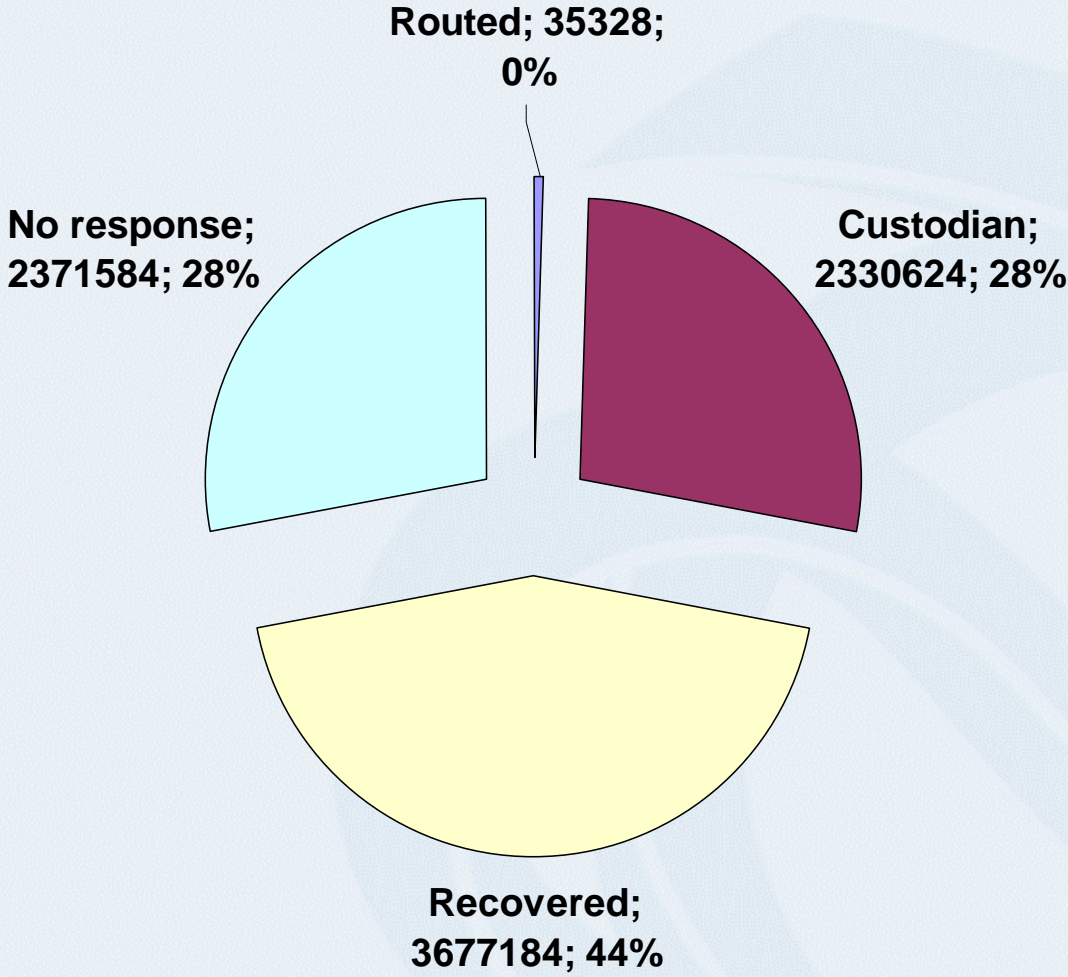
Resource recovery procedure

- Brief procedure
 - Allocation/assignment before 1997
 - 203.0.0.0/10 - former AUNIC blocks
 - Early Registration Transfer (ERX) blocks
- Consult Prefix Advertisement DB (PAD)
 - Un-routed prefixes since 1998 will be contacted
 - Email (phone and fax as an alternative)
 - Repeat the process every 2 months for 1 year
 - Unused and non contactable prefixes will be recovered

Resource recovery statistic – prefixes distribution



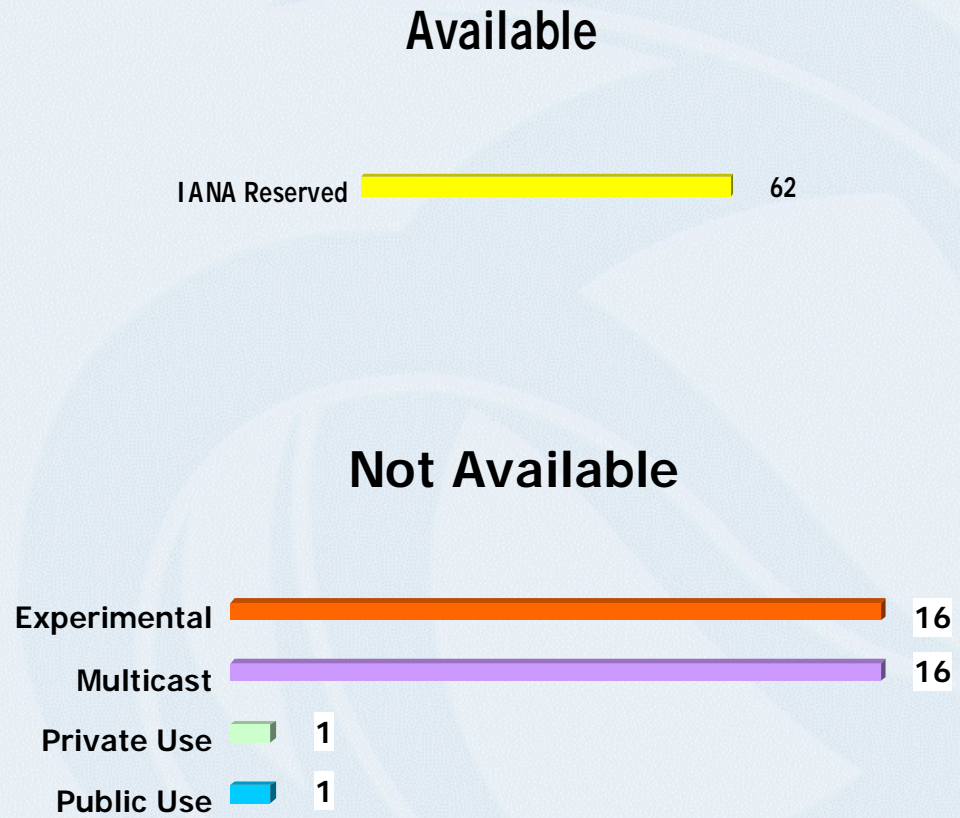
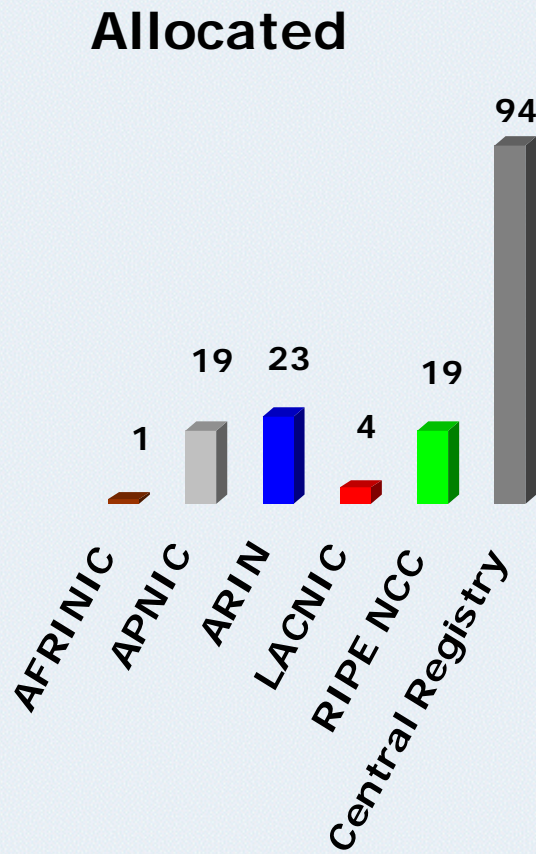
Resource recovery statistic - IP distribution



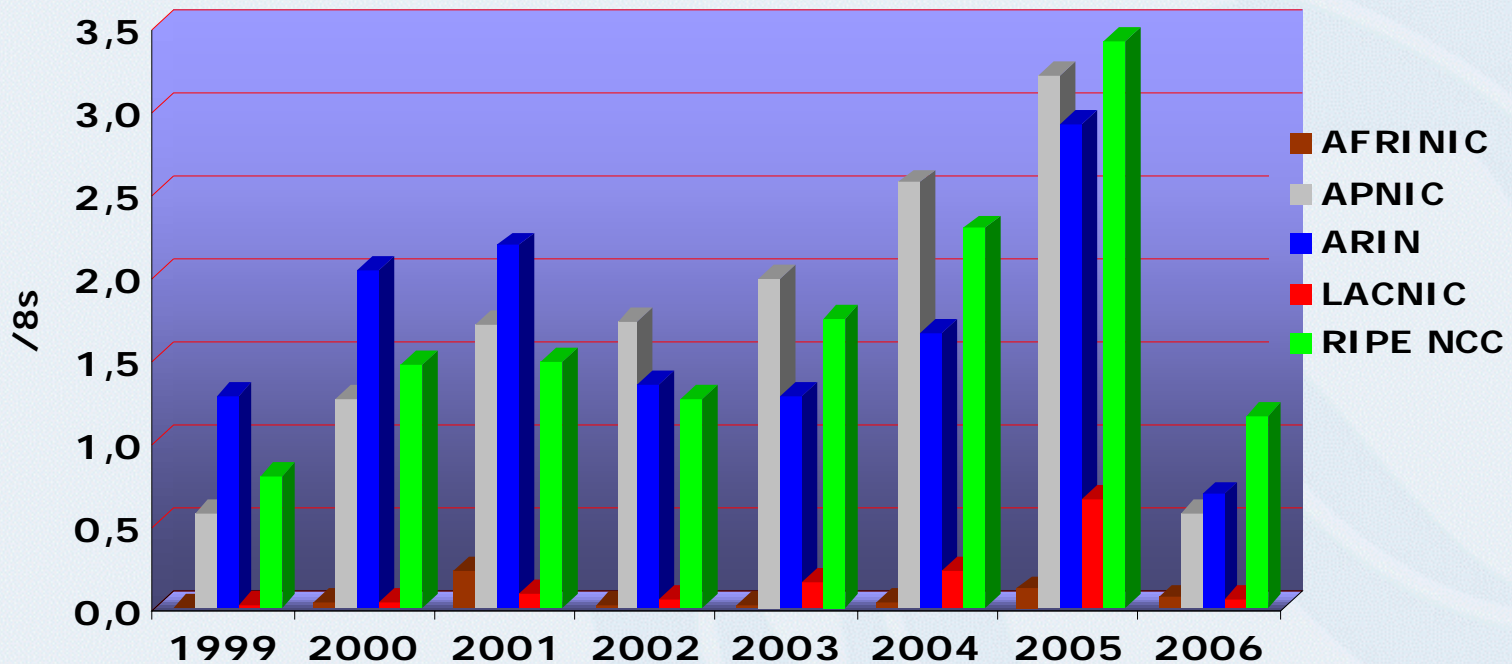
Debogon new /8

- Issues
 - Out of date filters
 - Fire wall software
 - Old router configuration
 - Examples of old filters in documents
- Identify blocking AS
 - Announce multiple prefixes from new /8
 - Publish results in public website
 - Community can test and identify where the blocking occurs
- Results
 - <http://www.ris.ripe.net/debogon/debogon.html>

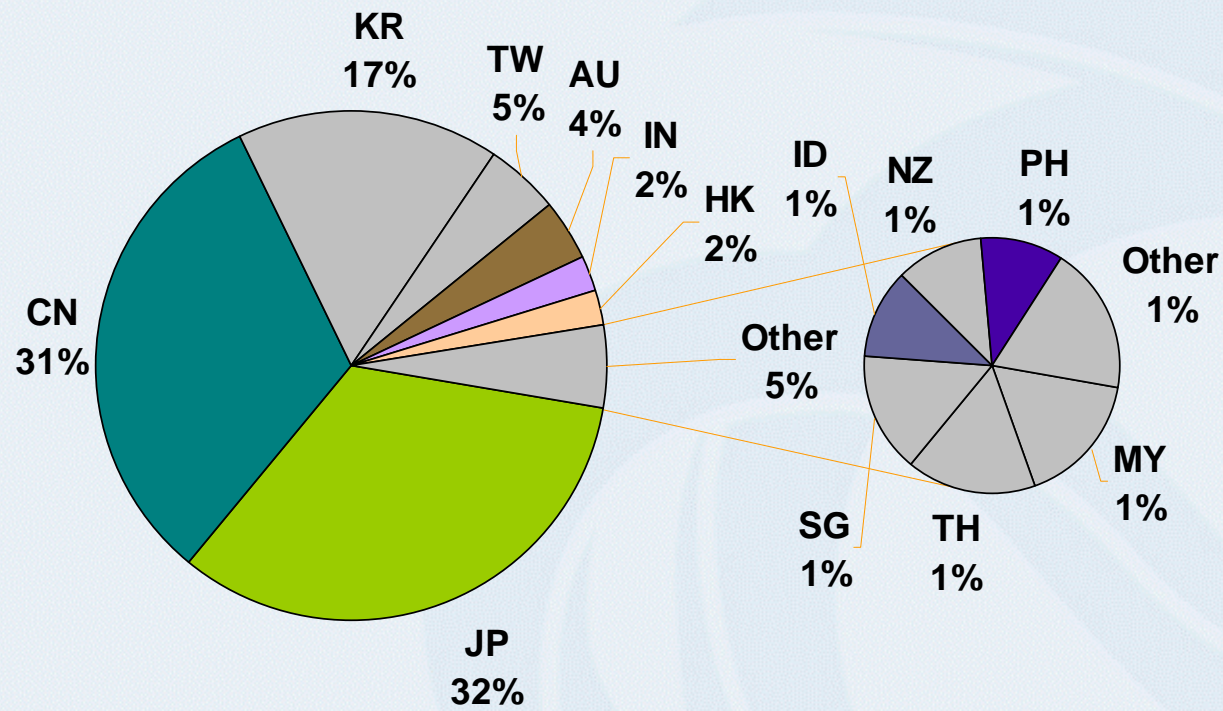
IPv4 /8 Address Space Status



IPv4 Allocations from RIRs to LIRs/ISPs Yearly Comparison



IPv4 Distributions in AP Region



APNIC meetings

- APNIC 22
 - Kaohsiung, Taiwan
 - 4 to 8 September 2006
- APRICOT 2007, APNIC 23
 - Bali, Indonesia
 - 27 February to 2 March 2007
- All invited or tune in remotely
 - Webcast, chat, audio, podcasts, live transcripts
 - <http://www.apnic.net/meetings>



Thank you for listening

Questions

