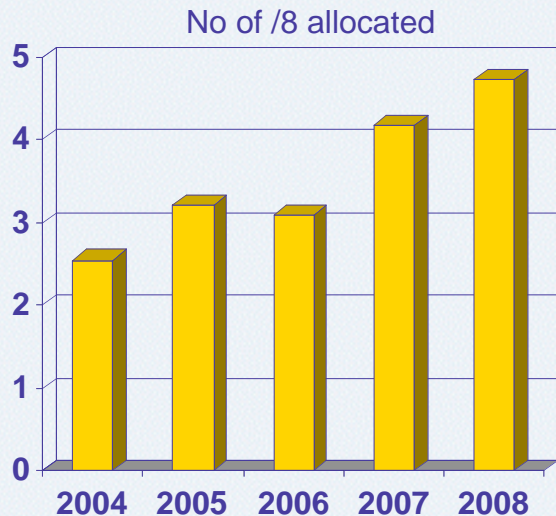# News from APNIC

AfriNIC 9

27 November 2008
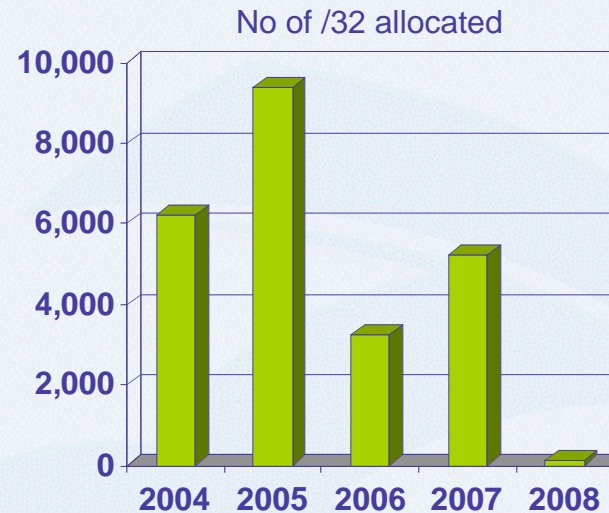
Coming up

- Some numbers
- Some service updates
- Some policy news
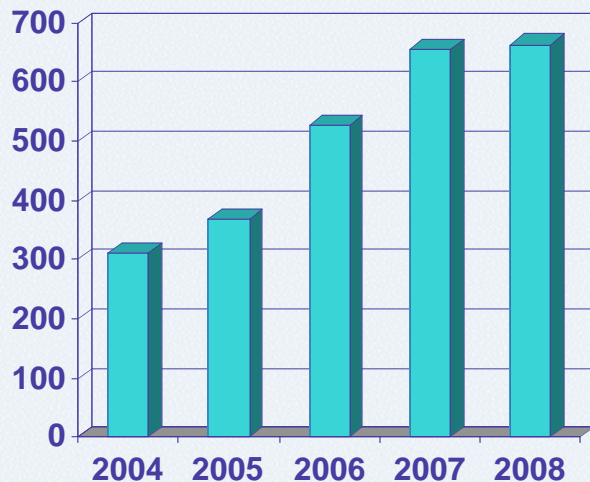
Resource Services (as of 27 Nov 08)

No of /8 allocated

IPv4

Year	Value
2004	~2.5
2005	~3.1
2006	~3.0
2007	~4.1
2008	~4.7

No of /32 allocated

IPv6

Year	Value
2004	~6,000
2005	~9,300
2006	~3,100
2007	~5,100
2008	~100

Resource Services

AS
IP

No of allocations

ASN

Year	Value
2004	~300
2005	~360
2006	~520
2007	~650
2008	~650

IPv6

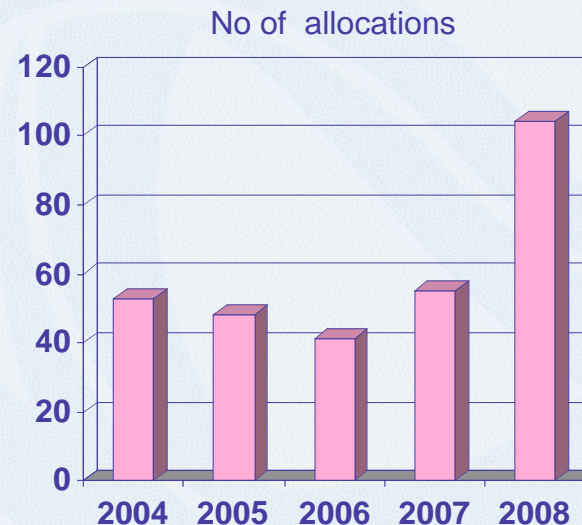| Year	Value
2004	~52
2005	~46
2006	~40
2007	~54
2008	~103

Large request escalation

- Increasing large IPv4 requests for 3G, xDSL, private to public IP conversion.
- Escalation procedure adopted in 2008

Size	Review by
>= /19	Peer hostmasters
>= /17	Resource Services Manager
>= /15	Senior Review Team

MyAPNIC v2

- Allow a user/password authentication in addition to X.509 certificate
  - Certificate required for certain functions such as voting and resource certifications
- Resource Certification functions
  - Activate/deactivate service
  - Collection management (RFC3779 cert issuing)
  - ROA (route origin authorization) generation

https://vm-celery/CERNET-CN/resources/certification/sign-ro ▼ ▷ | W ▼ Wikipedia (en) 🔍

Help Links ▼　CPAN Search Site　APNIC staff site　APNIC Project List　Projects ▼　Current Tickets ▼　Testing Links ▼　Reference ▼　»

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MyAPNIC ⊗ | 🌐 https://vm-kum...bin/irdb.pl/21 ⊗

CERNET-CN

Hello **Shuang!**

Account name: [account name]

Expiry date: [expiry date]

Renew

Log out

Reminder

Please register your whois maintainer.

Manage users

[stuff for managing other users]

You're here:　Home » Resources » Certification » **Sign ROA**

Resource Certification

Sign Route Origin Authorization

Collection "Customer 345" loaded

Step 1 – Signed Object name

Give your ROA a name. This name will be shown in your collection of signed objects, helping you identify this ROA for download, reissue, and deletion.

Object name: Customer 345

Step 2 – Resource collection

You must specify a set of resources to use when creating the signature. You can use a previously created resource collection, or you can specify a new set of resources here.

Resources
IPv4
114.214.0.0/16
116.13.0.0/16
218.192.0.0/13
219.242.0.0/15
IPv6
2001:254::/32
2001:DA8::/31
2402:F000::/32

Named collection: All Resources ▼ | Load

Add resource: _____

Add

Remove Selected Resources

Clear Resource List

** Invalid Resource

Step 3 – Validity period

Specify the date/times between which this ROA will be valid. Dates should be given as YYYY-MM-DD. Times are optional (assumed to be midnight if not provided), may be seperated from the date similar to ISO8601, (eg 'T'), and should be given as HH:MM:SS, although seconds are optional. All dates and times are regarded as being in the UTC time zone. The 'not before' date gives the start of the validity period, and the 'not after' date gives the end of the validity period.

Not before: 2008-08-11 23:32:28   Not after: 2008-09-11 23:32:28

Step 4 – AS number

Provide the AS number which you are authorizing to announce a route for the resources given in the above collection.

AS number: 18011

Create ROA

Research & Development

- Resource Certification design, test and standards work
  - 8 drafts in IETF SIDR WG
  - 2009 deliverable: MyAPNIC hosted services
- Participated in DITL 2008 (March)
  - 50TB of data fed into OARC/CAIDA from HK,JP, AU DNS
- Test Traffic Measurement (TTM)
  - Collaboration with RIPE-NCC
  - One node deployed, also providing public NTP stratum-1 time service
  - First of several nodes currently in planning

Asia Pacific Network Information Centre

APNIC

Other news...

- Business continuity planning
- Member Survey 2009
- KPMG Fee Structure Study
- EPA EcoBIZ accreditation
- 'IPv6 Programme' under development
- CMS deployment (for public website) by Q1 2009
- http://www.isif.asia

Policy news (http://www.apnic.net/policy)

- Implemented since APNIC-25
  - prop-053 Reducing minimum IPv4 allocation
  - prop-054 NIR operational policy revision
  - prop-057 Change IPv6 initial allocation criteria
- Endorsed for implementation after APNIC-26
  - prop-055: Global policy for the allocation of the remaining IPv4 address space
  - prop-062: Use of final /8
  - prop-064: Change to assignment policy for AS numbers
  - prop-066: Ensuring efficient use of historical IPv4 resources

New policies

- prop-055: Global policy for the allocation of the
  - remaining IPv4 space (continued discussion)
  - IANA reserves one /8 for each RIR
  - When IANA receives an IPv4 request that cannot be fulfilled, it will allocate the reserve
- prop-062: Use of final /8
  - Each new LIR can receive a single minimum allocation
  - Each existing LIR can receive a single minimum allocation
  - Reserve a /16 for potential future technologies that may need IPv4 addresses

New policies

- prop-064: Change to assignment policy for AS numbers
  - From 1 July 2009, APNIC assigns 32-bit AS numbers by default, and 16-bit only where need is demonstrated
- prop-066: Ensuring efficient use of historical IPv4 resources
  - Include historical resources when evaluating an LIR's requirements and usage rate

In discussion

- prop-050: IPv4 address transfers
  - Remove restrictions on registration of IPv4 transfers
  - Address blocks transferred:
    - Must be /24 or larger
    - Must be in APNIC administered range
    - Are subject to APNIC policies after transfer
  - Source of transfer ineligible to receive IPv4 addresses from APNIC for 24 months
- prop-063: Reducing timeframe of IPv4 allocations
  - Allocations to be made for a 6-month period instead of 12 months

Pending IETF action

- prop-061: 32-bit AS numbers for documentation
  - APNIC to reserve 32-bit AS number blocks for documentation purposes
- prop-065: Format for delegation and recording of 32-bit AS numbers
  - APNIC to adopt the ASPLAIN format

APNIC meetings – coming up...

- APNIC 27
  - Manila, Philippines
  - 23 to 27 February 2009
  - With APRICOT 2009
- APNIC 28
  - Beijing, China
  - September 2009
- APNIC 29
  - Kuala Lumpur, Malaysia
  - 1 to 5 March 2010
  - With APRICOT 2010

Thanks

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