News from APNIC

German Valdez

Communications Area Manager
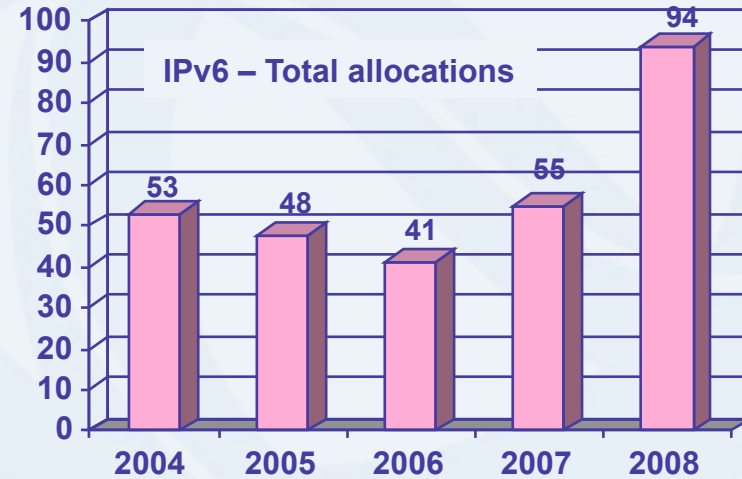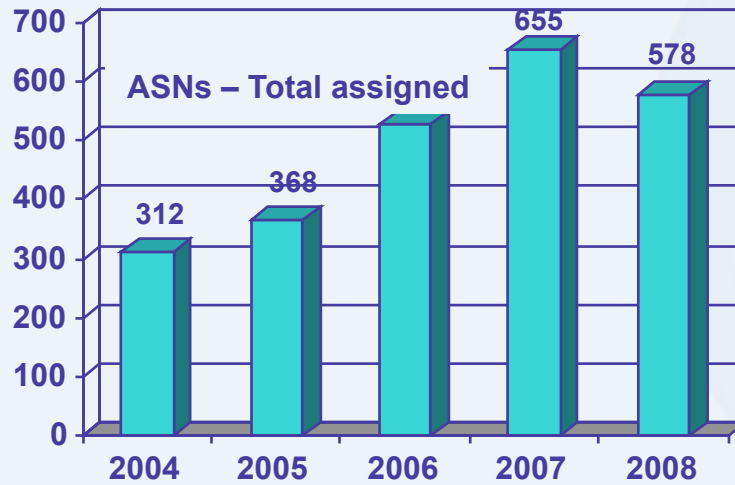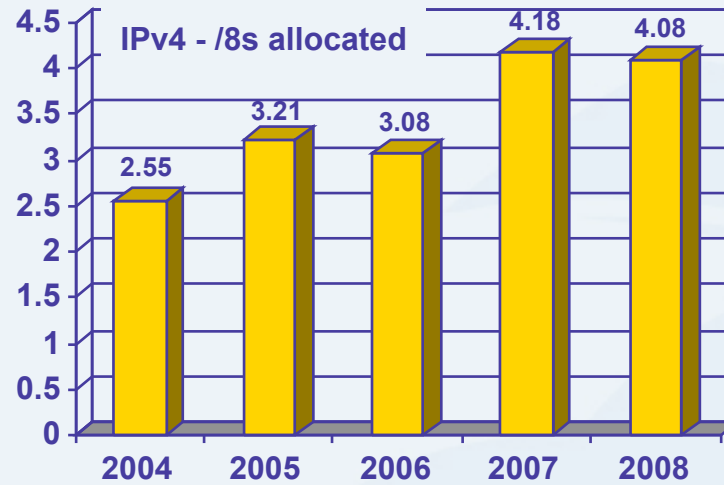
RIPE 57

27 October 2008

Coming up…

- Some numbers
- Some service updates
- Some policy news

Resource services

IPv4 - /8s allocated

Year	Value
2004	2.55
2005	3.21
2006	3.08
2007	4.18
2008	4.08

ASNs – Total assigned

Year	Value
2004	312
2005	368
2006	520
2007	655
2008	578

IPv6 – Total allocations

Year	Value
2004	53
2005	48
2006	41
2007	55
2008	94

15 October 2008

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 beta

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

MyAPNIC 2
BETA

APNIC

Hello Paul!

Log out

Edit my profile

Membership details

Renew

Account: **APNIC-AP**

Expiry: **2020-07-31**

Tier: **small**

Manage users

Edit Contacts and Users

Approve New Users

Feedback

Please send feedback for MyAPNIC2 Beta to helpdesk@apnic.net

Reminder

Please register your whois maintainer.

Resource Certification

Sign Route Origin Authorization

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: [   ]

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

Load Collection: [All Resources ▼] (Load)

Add Resource: [   ] (Add)

Remove Resource: [   ] (Remove)

(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: [2008-10-16 12:47:42] Not after: [   ]

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: [   ]

(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
  - Deployed one node, 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 by Q1 2009
- http://www.isif.asia

Policy news

- Implemented since APNIC 25
  - prop-053 Reducing minimum IPv4 allocation
  - prop-054 NIR operational policy revision
  - prop-057 Change IPv6 initial allocation criteria
- Policy proposals at APNIC 26
  - Continued discussion on 2 previous proposals
  - 7 new proposals presented
  - 6 policies approved, 4 waiting for APNIC EC endorsement, 2 defer to consider IETF processes.

http://www.apnic.net/policy

Policy news – APNIC 26

- prop-050: IPv4 address transfers (continued discussion)
  - 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
  - Policy returned to SIG for further discussion

Policy news – APNIC 26

- 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

Policy news – APNIC 26

- prop-063: Reducing timeframe of IPv4 allocations
  - Allocations to be made for a 6-month period instead of 12 months
  - Proposal returned to SIG for further discussion
- prop-066: Ensuring efficient use of historical IPv4 resources
  - Include historical resources when evaluating an LIR's requirements and usage rate

Policy news – APNIC 26

- 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
- 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

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

http://www.apnic.net/meetings

Thanks

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