

APNIC **36**
CONFERENCE



XI'AN, CHINA
20 - 30 August 2013

APNIC Report

APstar Retreat
25 August 2013





XI'AN, CHINA
20 - 30 August 2013

Overview

- APNIC's Mission
- APNIC Activities
- Internet Governance

Our Vision:

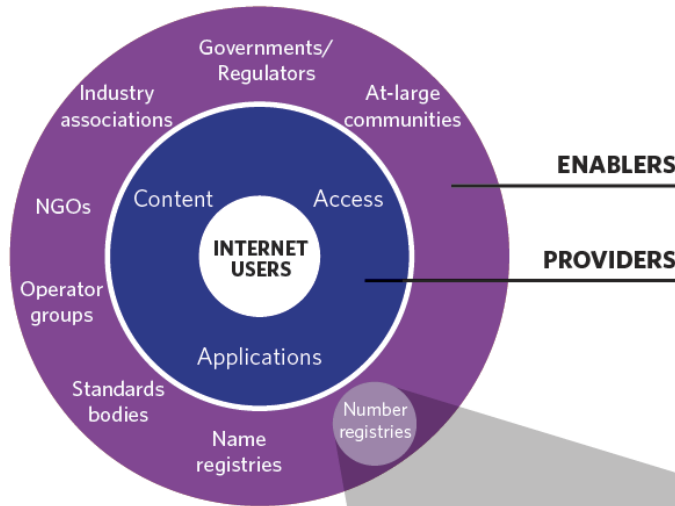
*A global, open,
stable, and
secure Internet
that serves the
entire Asia Pacific
community*

APNIC

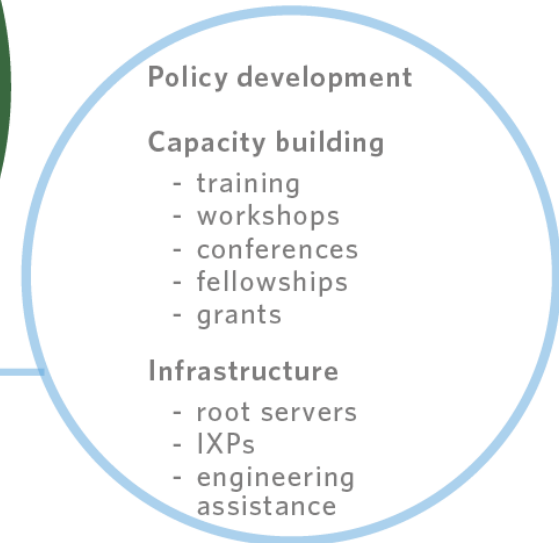
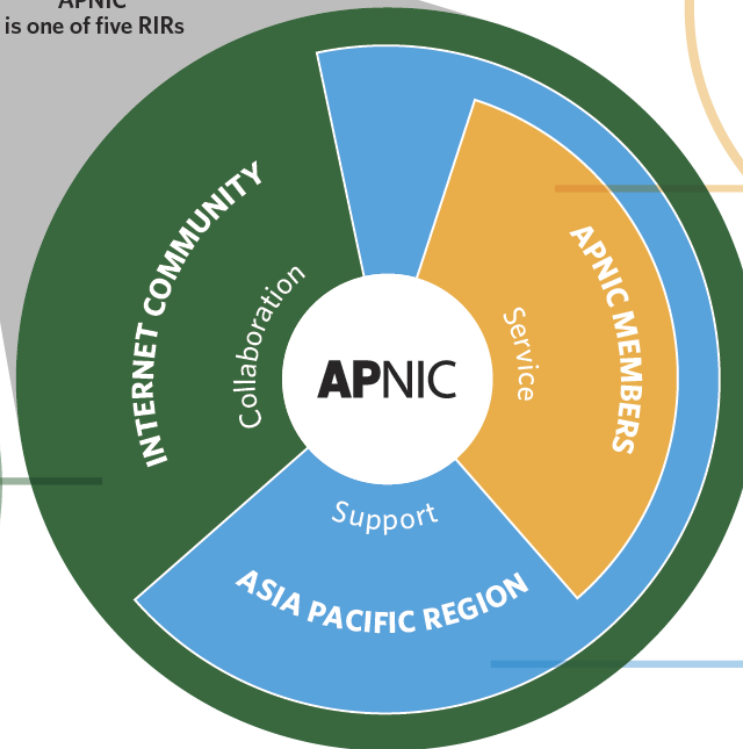


APNIC's Mission – 2013

- **Function as the RIR** for the Asia Pacific, in the **service** of the community of Members and others
- Provide Internet registry services to the highest possible standards of **trust, neutrality, and accuracy**
- Provide **information, training, and supporting services** to assist the community in building and managing the Internet
- Support **critical Internet infrastructure** to assist in creating and maintaining a robust Internet environment
- Facilitate **regional Internet development** as needed throughout the APNIC community
- Provide **leadership and advocacy** in support of APNIC's vision and the community



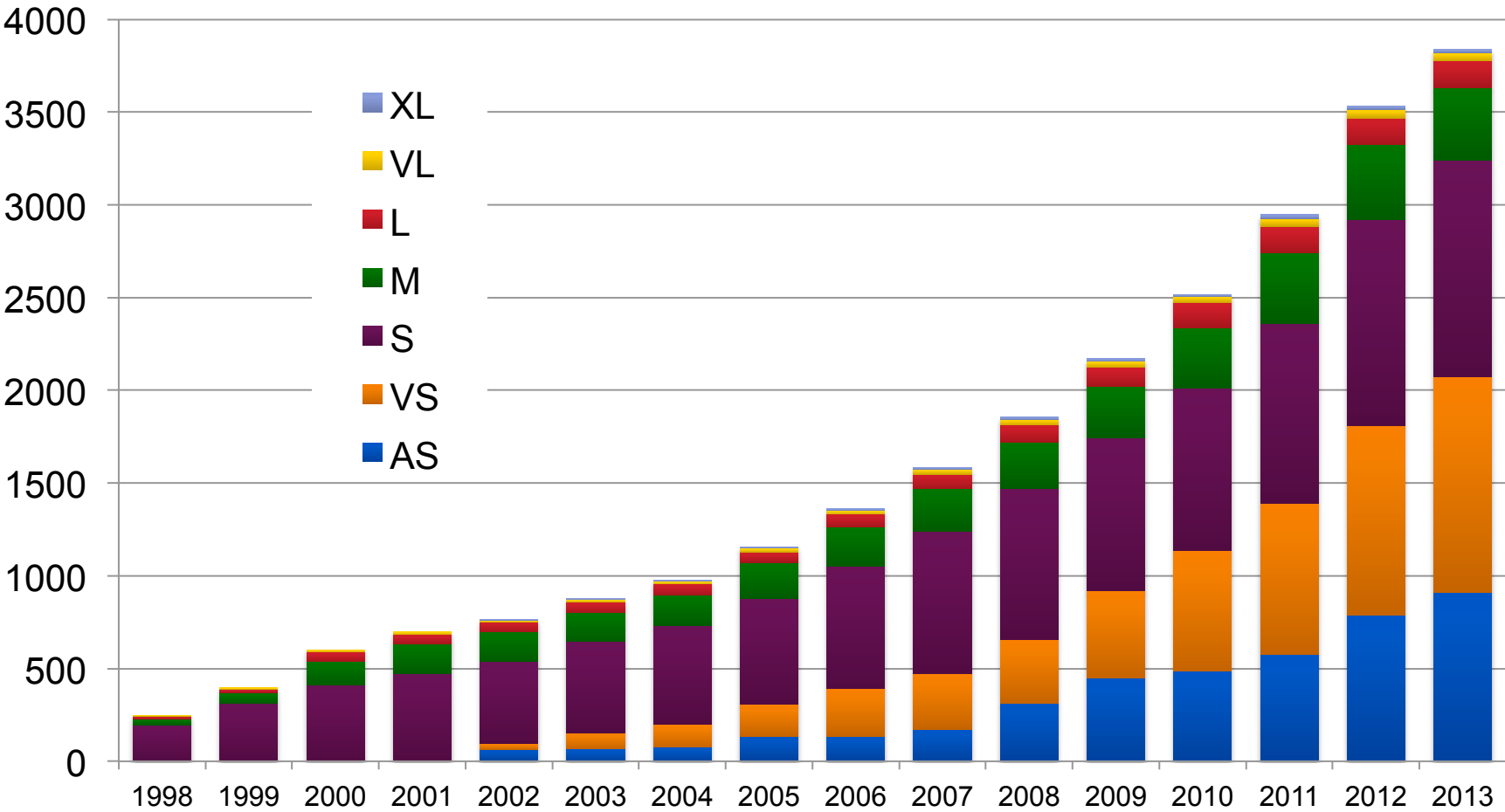
APNIC is one of five RIRs



APNIC Activities



Membership growth

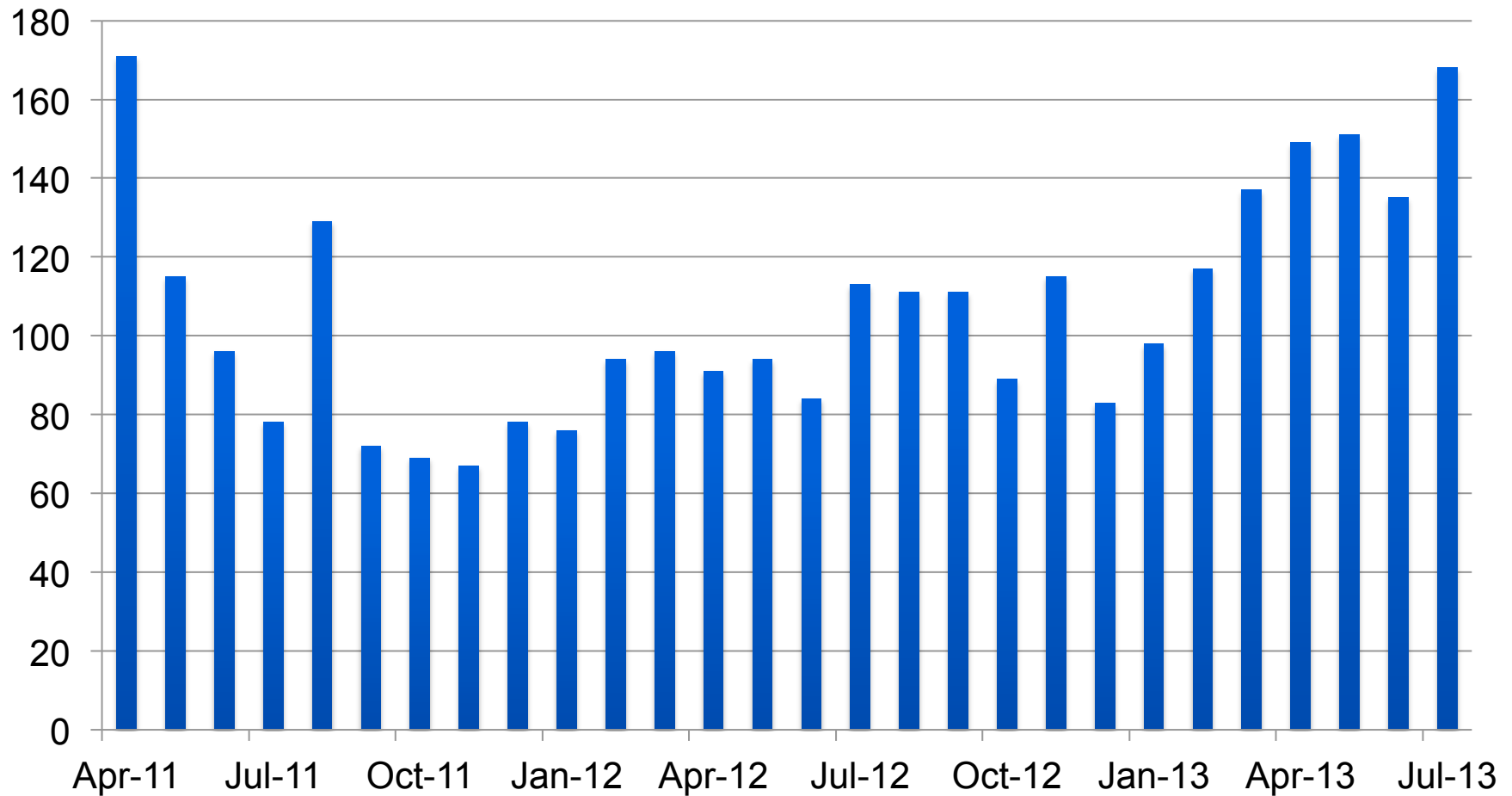


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IPv4 Availability

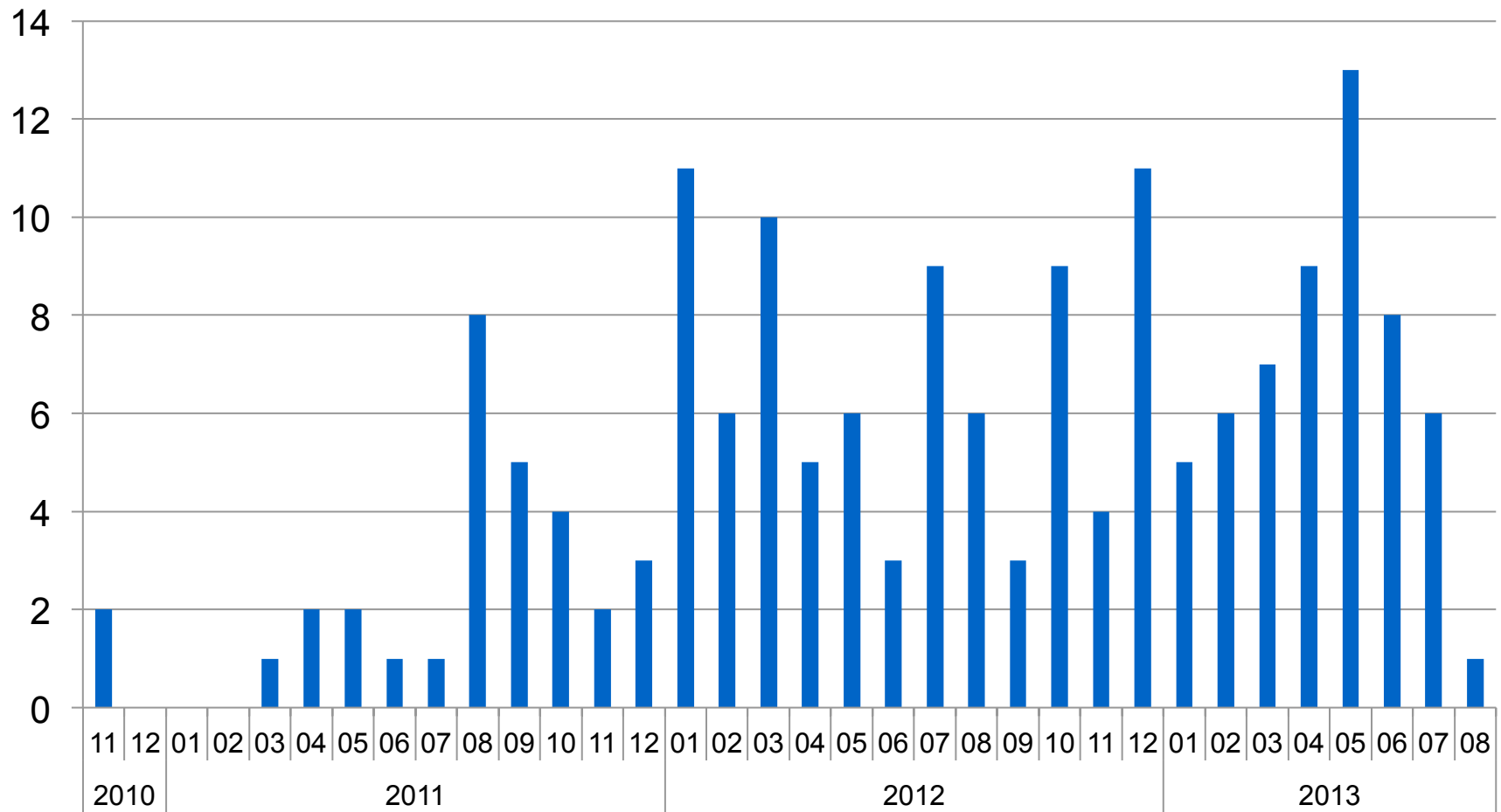
- “Last /8” allocations
 - Maximum allocation of /22 per organisation
 - Available supply for 15+ years
- IPv4 transfers
 - IPv4 transfers can be registered
 - Recipient must demonstrate their need
 - Inter-regional transfers available with ARIN
- Return and redistribution
 - Legacy addresses returned to IANA
 - Reallocations will occur when needed

IPv4: Last /8 delegations



16 August 2013

IPv4 market transfers



16 August 2013

IPv6 Status

- IPv6 address allocation
 - “business as usual”
- IPv6 address routing
 - global routing table indicates healthy growth
- IPv6 end-user capacity
 - robust growth, variable by economy
- Other
 - Network operator/backbone readiness
 - Service/Website accessibility

IPv6 Support

- IPv6 events
 - Plenaries at APNIC 36 on strategy for decision makers
 - Workshop at ICANN 46, Beijing
 - IPv6 Summit 2013, Beijing
 - Vietnam IPv6 Plenary, Ho Chi Minh City
- Asia Pacific IPv6 Task Force (APIIPv6TF)
 - APNIC continues serve as Secretariat
 - Met at APNIC 35 and 36
- Whitepaper on IPv6 for decision makers

Member Services

- Whois
 - Geolocation and language functions
 - RDAP support to provide unified API
 - Historical data available soon
- RPKI – Resource Public Key Infrastructure
 - UI improvements
 - Public testbed now live
 - Ineroperability testing with RIRs and NIRs
- Training
 - IPv6, Security, Routing
 - Face-face, eLearning, online Lab, workshops
 - New: Engineering assistance on cost-recovery basis

Root servers

- New I-Root in Ulaanbaatar, Mongolia
- F-root upgrades in Chennai, Hong Kong, and Seoul
- Small node trial in Dhaka

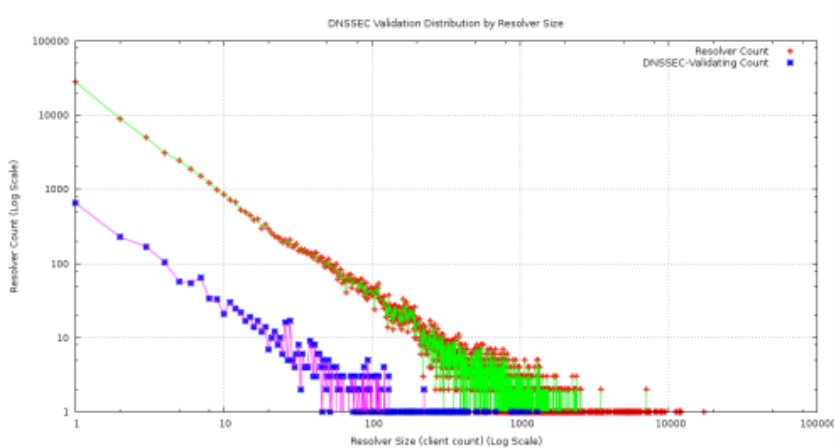
www.apnic.net/rootserver



APNIC Labs

- IPv6 measurements
 - IPv6 client capability per economy, autonomous system, etc
- Resource reporting
 - IPv4, IPv6 and ASN reporting
 - Global RIR statistics
- New: DNS and DNSSEC
 - Measuring the number of clients protected by DNSSEC resolvers
 - Cost of DNSSEC in additional delay, packet sizes

DNS and DNSSEC

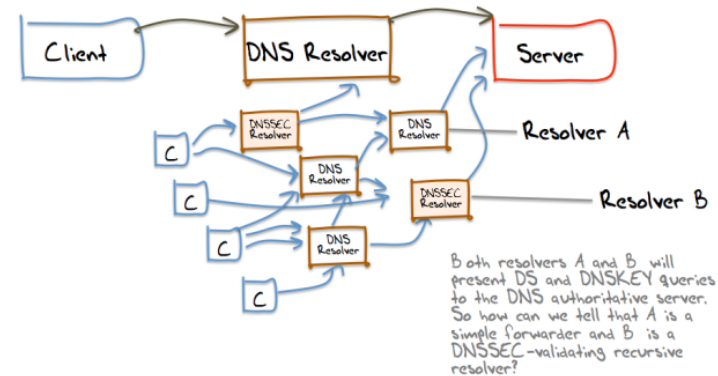


We are measuring the extent of DNSSEC use, and looking at the level of use of DNSSEC validation across resolvers and end clients in the Internet

How can we interpret what we are seeing?

What are the questions?

1. What proportion of DNS resolvers are DNSSEC-capable?
2. What proportion of users are using DNSSEC-validating DNS resolvers?
3. Where are these users?
4. How long does DNSSEC validation take for a client?



Latest news...



“APNIC must be congratulated on the quality and amount of work undertaken to develop and implement the QMS over many years. There is evidence that staff already have a thorough understanding of the QMS functions, processes, and procedures, and the value that it has as a business tool”

Dan Bromley, Best Practice Auditor

Internet Governance

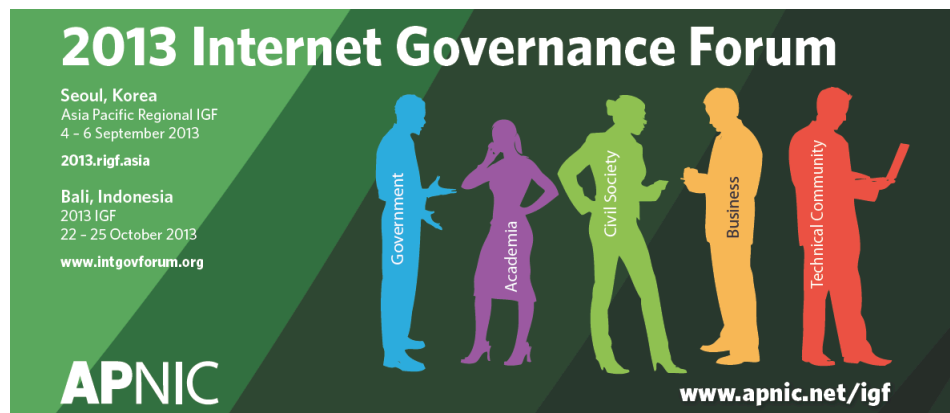


“The Internet tradition”

- For thirty years, the Internet and its coordination structures have evolved hand-in-hand
 - Open, bottom-up, multistakeholder processes
- The Internet is now a critical global infrastructure
 - Increasing reliance by all, including Governments
 - Increasing concern about cybercrime et al
- Internet Governance is now a critical issue
 - Many recognize the current successes, others support a different model
 - “Multistakeholder” vs intergovernmental approaches
 - Discussions will continue for many years...

Internet Governance Forum

- **The multistakeholder model in action**
 - Open discussions that can help inform policy making on all aspects of Internet governance
- **Regional IGF – Seoul, Korea** from 4-6 September
- **Global IGF – Bali, Indonesia** from 22-25 October
- **National events too**
 - IN, AU, NZ...



2013 Internet Governance Forum

Seoul, Korea
Asia Pacific Regional IGF
4 - 6 September 2013
2013.rigf.asia

Bali, Indonesia
2013 IGF
22 - 25 October 2013
www.intgovforum.org

Government
Academia
Civil Society
Business
Technical Community

APNIC

www.apnic.net/igf

Finally...



You're invited!

- APNIC celebrates its 20th anniversary!
- Join us for APNIC 36 in Xi'an, where we will be commemorating with special events throughout the conference



- See <http://www.apnic.net/meetings>

You're invited!

- APRICOT 2014 (with APNIC 37)
 - 18-24 February 2014, Bangkok, Thailand



- See <http://www.apricot2014.net>

Thank you

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