

APNIC

33
CONFERENCE
27 February - 2 March 2012

NEW DELHI,
INDIA



Supporting Internet Development

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Overview

- Training
- APNIC Conferences
- Policy
- APNIC Labs
- Root Servers
- Information Society Innovation Fund

Training in 2011

- Became part of Learning and Development Area
- Increased focus on IPv6 Deployment
- Introduced eLearning sessions (using WebEx)
 - One-hour modules
 - Delivered fortnightly to three time zones
 - Schedule changing in 2012
- Training Lab infrastructure upgraded
 - Now supports 4-byte AS Numbers
 - Topology resembles ISP with multiple operating regions
 - Hands on environment with core, edge, and access networks



Courses Offered

- Internet Resource Management
- Internet Routing Registry
- Internet Technologies
- Routing
 - OSPF and BGP
 - IPv4 and IPv6
- DNS and DNSSEC
- Network Security
- IPv6
 - eLearning (1-hour modules)
 - IPv6 Overview
 - Addressing and Subnetting
 - IPv4 – IPv6 Transition
 - Workshop
 - Two days, hands-on
 - Tutorial
 - Full day at APNIC 32

Training Delivered in 2011

- Face-to-Face
 - 67 courses in 36 locations
 - 1,813 total participants
- eLearning
 - 76 courses
 - 786 total participants
- IPv6 courses
 - 27 locations in 20 economies
 - 1,147 total participants



APNIC Conferences

- APNIC 32
 - Total delegates: 244
 - Economies represented: 35
 - APNIC Member organizations represented: 62
 - Participants at APNIC Remote Hub in Phnom Penh: 25
 - Total remote participants: 506



2011 Policy Outcomes

- APNIC implemented the following policy proposals:
 - May
 - prop-088: Distribution of IPv4 addresses once the Final /8 period starts
 - prop-093: Reducing the minimum delegation size for the Final /8 policy
 - prop-094: Removing renumbering requirement from Final /8 policy
 - August
 - prop-083: Alternative criteria for subsequent IPv6 allocations
 - prop-095: Inter-RIR address transfer proposal
 - November
 - prop-096: Maintaining demonstrated needs requirement in transfer policy after the Final /8 phase

Policies at APNIC 32

- Did not reach consensus:
 - prop-100: National IP address plan – Allocation of country-wide IP address blocks
 - prop-099: IPv6 reservation for large networks
 - prop-098: Optimizing IPv6 allocation strategies (simplified)
- These proposals were returned to the mailing list for further discussion

APNIC Labs

- Launched in 2011, focusing on several activities
- IPv6 Capability Tracker
 - Google Analytics Tracking Tool to allow website operators to measure client IPv6 capabilities
- Measuring IPv6
 - Measuring the end-to-end capability of IPv6 clients per economy
- IPv6 preference by ASN
 - Measures IPv6 client capability per autonomous system
- IPv4 address report
 - Measuring IPv4 free pool address exhaustion
- Website: labs.apnic.net
- Blog: blabs.apnic.net

Root Server Deployment

APNIC helped launch two additional root server instances in 2011:

- Bhutan
 - Operator: I-root
 - Local host: Bhutan Telecom
 - Location: Thimphu
 - Status: Operational from April 2011
- Mongolia
 - Operator: F-root
 - Local host: ICTPA and MobiNet
 - Location: Ulaanbaatar
 - Status: Operational from September 2011

Root Servers in the Region



Information Society Innovation Fund

- ISIF is a grants program aimed at stimulating creative solutions to ICT development needs in the Asia Pacific region
- From 2009, 23 initiatives in 12 AP economies showcasing innovation, cooperation, and technical knowledge have been supported through grants and awards
- In 2011:
 - 47 nominations from across the region
 - 4 winning projects presented during Kenya IGF

Information Society Innovation Fund

- ISIF is now part of the Seed Alliance
 - Alliance for Internet development and digital innovation
 - Joint effort with LACNIC and AfriNIC, with generous support from the IDRC
- New round of funding to be launched late March 2012
- Final reports from 2010 grant recipients now published
- Website: www.isif.asia

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Thank you

