

APNIC **34**  
CONFERENCE

PHNOM PENH  
CAMBODIA

21 - 31 August 2012

# Supporting Internet Development

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Learning and  
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# Overview

- Training
- IPv6 Program
- APNIC Conferences
- Policy
- APNIC Labs
- ISIF

# Training

- Continuing focus on IPv6 deployment
  - Comprehensive face-to-face and eLearning sessions
- eLearning
  - One-hour modules
  - Delivered fortnightly in three time zones
  - New schedule for 2012
- Face-to-Face
  - Extensive hand-on exercises
  - Remote Training Lab to enable participants to build and configure networks
    - Lab upgraded in 2011 to resemble topology of an ISP with multiple operating regions

[www.apnic.net/training](http://www.apnic.net/training)

# Courses Offered

- Internet Resource Management
- Internet Routing Registry
- Internet technologies
- Routing
  - OSPF and BGP
  - IPv4 and IPv6
  - DNS and DNSSEC
  - Network Security
- eLearning
  - New courses
    - DNS Concepts
    - Requesting IP Addresses
    - Whois Database

# Courses Offered

- IPv6
  - eLearning
    - IPv6 Overview
    - Addressing and Subnetting
    - IPv4-IPv6 transition
    - IPv6 Address Planning
  - Workshops
    - Two days, hands-on, flexible
    - Full-day IPv4/IPv6 BGP Routing workshop at APNIC 34
  - Tutorials
    - Network Management and IRM at APNIC 34

# Training delivered in 2012



- IPv6 courses
  - 18 courses in 18 locations
  - 568 participants
- Other face-to-face courses
  - 27 courses in 27 locations
  - 1272 participants
- eLearning
  - 54 courses
  - 470 participants

# IPv6 Collaboration

- Providing continuous support to the community on IPv6 deployment
  - “Real and Tangible” IPv6 deployment
  - Outreach and education activities
- Strong collaboration with regional and international organizations
  - Sharing IPv6 deployment status information
  - Providing customized information on issues related to IPv6 deployment within local networks
  - Addressing concerns and issues related to IPv6 deployment

# IPv6 in the Community

- IPv6@APNIC Conferences
  - Two IPv6 sessions at APNIC 33 in New Delhi, Feb 2012 targeting business decision makers
- Asia Pacific IPv6 Task Force (APIIPv6TF)
  - Supporting information exchange among Asia Pacific economies
  - Continued provision of Secretariat services
  - Met at APNIC 33 in New Delhi, Feb 2012
  - Visited Beijing in March 2012 to learn about the status of Chinese IPv6 deployment



# IPv6 Consultation and Collaboration

- Developing new services to support actual deployment
  - One-on-one IPv6 consultation for network operators and government agencies with customized content
- Increasing collaboration, delivering customized IPv6 content
  - ITU ASP CoE, Pacific Islands Telecommunications Association (PITA), Secretariat for the Pacific Community (SPC)

# APNIC Conferences

- APNIC 33
  - Total delegates: 573
  - Economies represented: 43
  - APNIC Member Organizations represented: 97
  - Remote venue participants
    - Brunei – 14
    - Vietnam – 25
  - Total remote participants: 72
- APNIC 34
  - New week of Workshops from 21 to 25 August
    - IPv4/IPv6 BGP Routing Workshop
    - Network Infrastructure Security Workshop
    - ITC-NSRC Campus Networking Workshop

# Policies at APNIC 33

- Reached consensus:
  - prop-102: Sparse allocation guidelines for IPv6 resource allocations
  - Implemented 20 August 2012
- Did not reach consensus:
  - prop-101: Removing multihoming requirement for IPv6 portable assignments
  - prop-099: IPv6 reservation for large networks
  - Sent to the mailing list for further discussion
- Abandoned:
  - prop-098: Optimizing IPv6 allocation strategies (simplified)

# APNIC Labs

- IPv6 Capability Tracker
  - Google Analytics tracking tool to enable website operators to measure client IPv6 capabilities
- Measuring IPv6
  - Measuring the end-to-end capability of IPv6 clients per economy
  - Readiness data at end-user level for various intergovernmental organizations and economies
- IPv6 preference by AS Number
  - Measures IPv6 client capability per autonomous system
- IPv4 address report
  - Measuring IPv4 free pool address exhaustion

[labs.apnic.net](http://labs.apnic.net)

[blabs.apnic.net](http://blabs.apnic.net)

# Information Society Innovation Fund

- A grants program aimed at stimulating creative solutions to ICT development needs in the Asia Pacific region
- Now part of the Seed Alliance
  - Alliance for Internet development and digital innovation
  - Joint effort with LACNIC (Frida) and AfriNIC (Fire), with generous support from the IDRC and possible funding from SIDA
- New round of funding launched in 2012 with four new categories for both grants and awards:
  - Innovation on access provision
  - Innovation on learning and localization
  - Code for the common good
  - Rights

# ISIF

- ISIF Grants
  - Expansion of program means that new awarded projects will receive up to AUD 30,000
  - Funds to be managed and invested in the AP region
- 2012 ISIF Awards
  - AUD 3,000 to already established initiatives and travel grant to the IGF
  - First-time **Community Choice Award** to the project with the highest number of votes from the community

[www.isif.asia](http://www.isif.asia)

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**Thanks!**

