



APNIC Update: APNIC 28

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Overview

- Overview of the current environment
 - IPv4 exhaustion
 - IPv6 deployment
 - Security
 - Internet Governance
- APNIC Activities in 2009
 - Focusing on Member Priorities

Current Environment

- IPv4 exhaustion
 - The APNIC IPv4 address pool is predicted to exhaust in 2012
- IPv6 deployment
 - Increased IPv6 adoption by operators and vendors in the context of changing economic times
- Security
 - Resource certification (routing security)
 - Preparing for DNSSEC in 2010
- Internet Governance
 - Representing the interests of our membership in global community

APNIC in the Global Community

- Internet Governance activities
 - ITU Telecom Asia, WTPF 2009
 - Response to TSB IPv6 questionnaire
 - ICANN meetings
 - APEC-TEL
 - Global policy development
 - Joint NRO communication/promotion
 - Internet Governance Forum
 - USG ICANN NOI
 - Coming up: IANA free pool reaching 10%

The logo for APNIC 28 is located on the left side of the slide. It consists of a vertical red bar with the text 'APNIC 28' in yellow and 'Beijing, China 24-28 August 2009' in white. Above the bar is a small image of a network structure.

APNIC Key Activities

Top 10 Areas for Resource Allocation

1. Research and development activities (for example: network monitoring and measuring, routability testing)
2. Support network engineering education in the Asia Pacific region
3. Support of IPv6 deployment
4. Expand training activities in scope, geographical coverage and online options
5. Increase the support of the community's efforts to adopt IPv6
6. Streamline resource requests and allocation processes
7. Further development of resource certification to support better routing security
8. Expand network monitoring, reporting
9. Develop web services for automated data exchange with external systems
10. Deploy more DNS root servers in the Asia Pacific region

2009 Member Survey: www.apnic.net/ec

The logo for APNIC 28 is located on the left side of the slide. It features a vertical red bar with the text 'APNIC 28' in yellow at the bottom and 'Beijing, China 24-28 August 2009' in white at the top. Above the text is a stylized graphic of a network or globe.

Supporting IPv6 deployment

1. Research and development activities (for example: network monitoring and measuring, routability testing)
2. Support network engineering education in the Asia Pacific region
3. **Support of IPv6 deployment (Services)**
4. Expand training activities in scope, geographical coverage and online options
5. **Increase the support of the community's efforts to adopt IPv6 (Communications)**
6. Streamline resource requests and allocation processes
7. Further development of resource certification to support better routing security
8. Expand network monitoring, reporting
9. Develop web services for automated data exchange with external systems
10. Deploy more DNS root servers in the Asia Pacific region



- Activities
 - Address Distribution
 - Education and training
 - Policy Development
 - Information Source

<http://www.apnic.net/ipv6>

Supporting IPv6 deployment

- Government liaison



- Also: IPv6 summits, NOGs, APEC etc

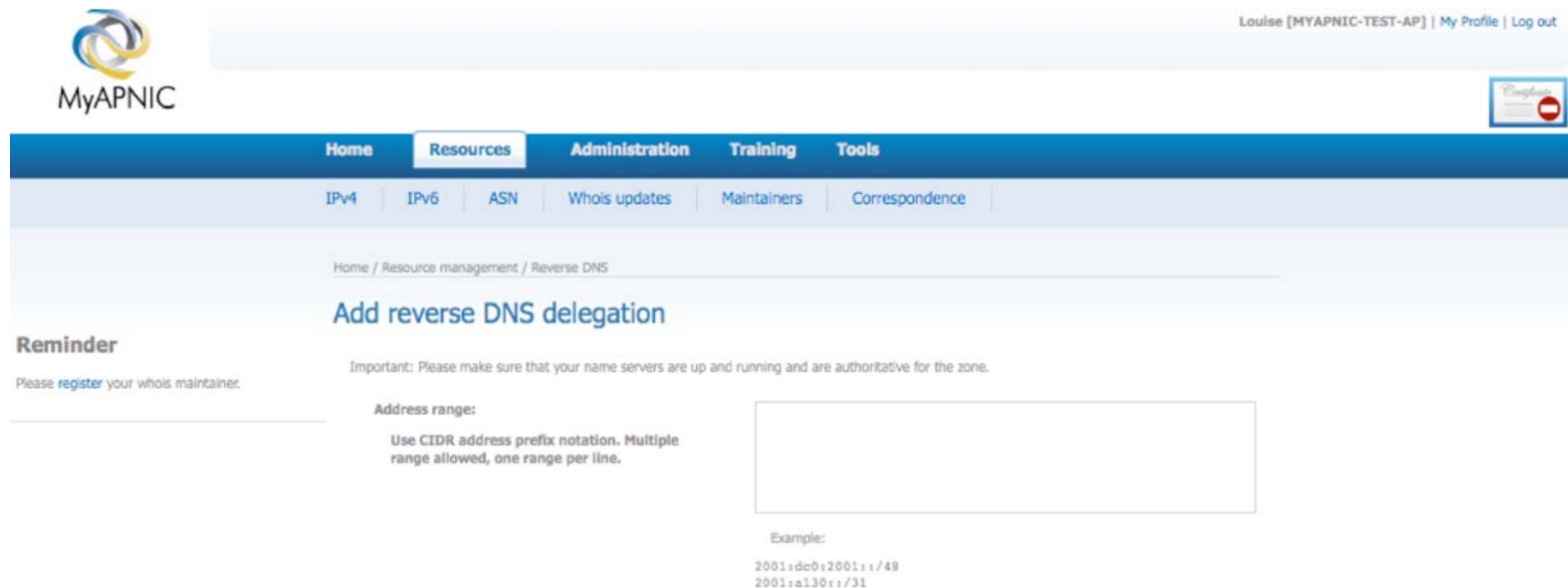
Supporting IPv6 deployment

- IPv6 training
- Additional IPv6 advanced modules



Supporting IPv6 deployment

- Completed “IPv6 transition” at APNIC
 - http://www.mrp.net/IPv6_Survey.html
- New marketing materials and multimedia
- Improved IPv6 support in MyAPNIC ...



The screenshot displays the MyAPNIC website interface. At the top left is the MyAPNIC logo. In the top right corner, the user is identified as 'Louise [MYAPNIC-TEST-AP]' with links for 'My Profile' and 'Log out'. A navigation menu includes 'Home', 'Resources', 'Administration', 'Training', and 'Tools'. Below this, a secondary menu lists 'IPv4', 'IPv6', 'ASN', 'Whois updates', 'Maintainers', and 'Correspondence'. The breadcrumb trail reads 'Home / Resource management / Reverse DNS'. The main heading is 'Add reverse DNS delegation'. A 'Reminder' section states: 'Please register your whois maintainer.' An important note says: 'Important: Please make sure that your name servers are up and running and are authoritative for the zone.' The 'Address range:' section includes the instruction: 'Use CIDR address prefix notation. Multiple range allowed, one range per line.' A large text input field is provided for entering the address ranges. Below the field, an 'Example:' section shows the following text: '2001:dc0:2001::/48' and '2001:a130::/31'.

APNIC in 2009

- Services
 - Streamline resource requests
 - Resource Certification
 - Root servers
 - Member Feedback
- Communications
 - Supporting network engineering in Asia Pacific
 - Education
 - New apnic.net website
 - External Relations Activities

APNIC in 2009

- Technical
 - Research and Development activities
 - Network Monitoring
 - Data Exchange
 - HiAvail Project
 - APNIC DNSSEC Project
- Business
 - Finance & Administration
 - Human Resource Management
 - Commercial & Risk Management
 - Operational Planning

Global Corporate Challenge!

- Team building exercise competition where teams measure daily steps.
 - Objective: 10,000 steps per day
- Several RIRs have entered teams – APNIC had 4.
- Two teams have gone neck and neck for the entire race...
 - RIPE NCC “prima squadra” 12,652
 - APNIC “Tech Steps” 12,506



Beijing, China 24-28 August 2009

Thanks