

Communications Area Report

German Valdez Communications Area Manager

Top 10 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

- 2. Support network engineering education in the Asia Pacific region
- Collaboration with Global Subject Matter experts
 - Team Cymru, IntERLab, AIT, AusCERT, 6Deploy
- Joint local training
 - APNIC training events at local operator group meetings including SANOG, PACNOG, APJII, IPv6 Summits
- Sponsoring local training
 - APNIC sponsorship and training events at local operator group meetings including NZNOG, PHNOG, AINTEC, APNG Camp

- 2. Support network engineering education in the Asia Pacific region
- Reconfigured and upgraded Training lab
- Expanded capacity for greater access to community for training
- Now facilitating more advanced technical workshops particularly on IPv6
- Allows APNIC to host parallel hands-on training session

- 4. Expand training activities in scope, geographical coverage, and online options
- 77 courses in 36 locations to over 1870 participants
- First time in Myanmar
- eLearning expansion
- 80 attendees from over 7 economies
- After successful trial program, eLearning will be offered in over 20 sessions throughout 2010
- Two courses offered every month

- 4. Expand training activities in scope, geographical coverage and online options
- Focused on IPv6 Training
 - 13 Workshops, 10 Tutorials in 19 locations with total of 825 participants
- IPv6 eLearning
 - Live web classes on IPv6 deployment
 - Practical ISP/IXP scenarios introduced IPv6 eLearning
- Live web classes on IPv6 deployment

Activities Across the Region



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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



Spreading the IPv6 Message

Brochures

 Simple-to-follow brochure giving an overview of IPv6

and how you can act.



You Tube Video

 Multimedia to talk to the wider business community



Spreading the IPv6 Message

Online

One stop website that • ۲ has all the links to IPv6 and APNIC





Press

JK

NRO 10% announcement was sent to 1,600 press and was featured in many publications including ComputerWorld, ZDNet, CIO

ZDNet UK > News > Communications NETWORK MANAGEMENT TOOLKIT IPv4 addresses: Less than 10pc still available Tags: European Union, Number Resource Organization, Internet Protocol David Meyer ZDNet UK Help Published: 19 Jan 2010 00:01 GMT 🖂 Email 🛞 Trackback 🕌 ClipLink 📄 Print 📿 Posta.commer rt of the imunity. The shortage of IPv4 addresses has reached a critical stage according to the registries that allocate internet numbers around the world. The Number Resource Organization (NRO), which represents the registries, said on Tuesday that less than 10 percent of all IPv4 addresses remain available, threatening the future network operations of all businesses and organisations unless ISPs and businesses step up their migration to IPv6 "The limited IPv4 addresses will not allow us enough resources to achieve the ambitions we all hold for global internet access," NRO chairman Axel Pawlik said in a statement on Tuesday. "The deploymen of IPv6 is a key infrastructure development that will enable the networl to support the billions of people and devices that will connect in the coming years." threats However, where previous estimates had IPv4 addresses running out in 2011, it now appears addresses are more likely to be depleted in 2012



Spreading the IPv6 Message

To Enterprise

 Taking the IPv6 message to ICT trade shows

To Government

 Working with community to host IPv6 workshop for Governments at APEC Tel 40





Other Activities

- 2009 Policy Outcomes
- Internet Governance
 - Representing APNIC in global community
- APNIC Meeting: APNIC 28
 - Taking APNIC meetings to the community
 - Topical and valuable content
- APNIC External Relations
 - New APNIC partnerships

2009 Policy Outcomes

- The following proposals reached consensus and were endorsed by the Executive Council:
 - prop-050: IPv4 address transfers
 - *prop-069: Global policy proposal for the allocation of IPv4 blocks to Regional Internet Registries
 - prop-073: Simplifying allocation/assignment of IPv6 to APNIC Members with existing IPv4 addresses
 - *prop-074: Internet Assigned Numbers Authority (IANA) Policy for Allocation of ASN Blocks (ASNs) to Regional Internet Registries
 - prop-075: Ensuring efficient use of historical AS numbers
- Proposals returned to the mailing list for further discussion: 1
- Proposals returned to their authors for further consideration: 2
- Proposals withdrawn by the author(s): 2
- Proposals that did not reach consensus and have been abandoned: 3



Internet Governance

- IGF 2009, Egypt
 - Address by Paul Wilson in "Critical Internet Resources" session
 - Workshop participation
 - Paul Wilson panelist at "Adopting IPv6: What you need to know"
 - German Valdez, speaker at "Managing Internet Addresses: Global and Regional Viewpoint" and "Analyzing Resource Requests: Present and Future"



APNIC Meetings: APNIC 28

Onsite Participation

• 272 onsite participants with 25 economies represented

Remote Participation

- Improving tools for remote participation
- 288 participants attended at remote venues for APNIC 28



APNIC Meetings: APNIC 28

Remote Participation Locations

- Each Meeting APNIC hosts two remote sites in Kuala Lumpur and Dhaka for community members to participate;
- 47 remote participants at APNIC 28

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New APNIC Partnerships

Asia Pacific Region

- Networkers Society of Pakistan (NSP)
- Philippines Network Operators' Group (PHNOG)
- The Advanced Science and Technology Institute (ASTI)
- Task Force on IPv4 Address Exhaustion, Tokyo, Japan
- BII Group Ltd, Beijing, China
- The Taiwan Network Information Center (TWNIC)
- Universiti Sains Malaysia
- IPv6 Forum India

Operational Planning in 2010

- Expansion of Public Affairs activities
 - Participation in global Internet Governance events; IGF, APEC, OECD, ITU
- Expansion of eLearning
 - More self-paced modules
- Collaborative work with NIRs
- Continuous improvement in APNIC Events
 - Program Survey to the community



Thank You

german@apnic.net