APNIC Update

SANOG 8
Karachi, Pakistan
4 August 2006
About APNIC

• Regional Internet Registry (RIR)
  – Asia Pacific region
  – Core activity delegation of Internet number resources (IPv4, IPv6 & ASNs)
  – Manages reverse DNS

• Organisational structure
  – Membership based, non-profit
  – Self-regulatory body governed by members & Internet community
  – Bottom up policy & decision making processes
What’s coming up..

• Membership & resource statistics
• APNIC activities in SA
• Services
• Projects
• Meetings
Total IPv4 delegations in SA

AF: 24576
BD: 265728
BT: 12288
IN: 4235776
LK: 251904
MV: 1280049664
NP: 432384
PK: 49664
IPv6 allocations in SA

<table>
<thead>
<tr>
<th>Economy</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD</td>
<td>1</td>
</tr>
<tr>
<td>IN</td>
<td>10</td>
</tr>
<tr>
<td>PK</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

Data valid as of 1st August 2006
ASN assignments in SA

- AF: 3
- BD: 48
- BT: 3
- IN: 149
- LK: 11
- MV: 3
- NP: 11
- PK: 27
APNIC IPv4 allocations (/8s) by year

- 2000: 1.25
- 2001: 1.72
- 2002: 1.78
- 2003: 1.98
- 2004: 2.56
- 2005: 3.21
- 2006: 1.14
IANA total IPv4 distribution

- Historical: 90 (36%)
- Reserved: 36 (14%)
- APNIC: 16 (6%)
- ARIN: 26 (10%)
- LACNIC: 4 (2%)
- RIPENCC: 19 (7%)
- Unused: 65 (25%)

Last update: Mar 2006
What’s coming up..

- Membership & resource statistics
- APNIC activities in SA
- Services
- Projects
- Meetings
Collaboration in SA

• MoUs with industry
  – SANOG
  – ISP Associations
    • ISPAB, ISPAI, LISPA, ISPAN, ISPAK
  – NIXI

• Key areas of collaboration
  – Promoting infrastructure development
  – Exchange of information
  – Training program
Root server deployments in SA

Orange: Root servers supported by APNIC (total 19)
Green: Other Root servers (total 13)
Recent training activities in SA

- Face to face training

<table>
<thead>
<tr>
<th>Course</th>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRM I &amp; II</td>
<td>2-3 Feb</td>
<td>Dhaka</td>
</tr>
<tr>
<td>SANOG 5</td>
<td>6-13 Feb</td>
<td>Dhaka</td>
</tr>
<tr>
<td>IRM I &amp; II</td>
<td>6-7 Apr</td>
<td>Karachi</td>
</tr>
<tr>
<td>IRM E</td>
<td>11 Apr</td>
<td>Delhi</td>
</tr>
<tr>
<td>SANOG 6</td>
<td>16-23 Jul</td>
<td>Thimphu</td>
</tr>
</tbody>
</table>

- Webcast training (new!)
  - First IRME training conducted on 29th May

<table>
<thead>
<tr>
<th>Course</th>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>SANOG 7</td>
<td>16-24 Jan</td>
<td>Mumbai</td>
</tr>
<tr>
<td>IRM E</td>
<td>25 Jan</td>
<td>Mumbai</td>
</tr>
<tr>
<td>SANOG 8</td>
<td>27-4 Aug</td>
<td>Karachi</td>
</tr>
<tr>
<td>IRME</td>
<td>8 Aug</td>
<td>Delhi</td>
</tr>
<tr>
<td>DNS workshop</td>
<td>10-12 Aug</td>
<td>Hyderabad</td>
</tr>
</tbody>
</table>
What’s coming up..

• Membership & resource statistics
• APNIC activities in SA
• Services
• Projects
• Meetings
Training courses

• Core courses
  – Internet Resource Management

• Tutorials
  – Security, Spam, Internet Routing Registry

• Technical workshops
  – DNS, Routing essentials

• NEW - under development
  – IPv6 services workshop
  – More webcasts/webinars

• Material, information, schedules
  – http://www.apnic.net/training
eLearning – under development

- Cost effective
- More accessible
- Manage your own learning
- Access to trainers & experts

Interested in testing?
Speak to APNIC staff or email training@apnic.net
Interacting with APNIC

• New VOIP service
  – Low international call rates to helpdesk!
    • SIP: helpdesk@voip.apnic.net

• “Chat” service
  – Just click on icon
  – Fast response to your queries

• Helpdesk
  – Email helpdesk@apnic.net
  – One day turnaround time
Online networking portal - *new look!*

- ICONS “Internet Community of Networking Specialists”
What’s coming up..

- Membership & resource statistics
- APNIC activities in SA
- Services
  - Projects
- Meetings
“Clients First”

• Improve and simplify services
  – Internal secretariat project
  – Feedback from surveys, helpdesk, training, meetings, staff experiences, etc

• “Behind the scenes”
  – Website navigation & content
  – Rebuilding web forms
  – Easier procedures for digital certificates
  – Tool development to support request processes
  – “Continuous improvement”
Recent operational projects

- **Resource certification**
  - Trial began in 2005, full service trial in 2006

- **Prefix history analysis**
  - 8-year history of 650,000 prefixes (20 Gb)
  - Query prefix advert history, ASN details etc
  - Supporting debogon and reclamation projects

- **ASNs**
  - Consumption estimates
  - 32-bit ASN study and proposals

- **Internet resource reports and projections**
  - [http://www.potaroo.net](http://www.potaroo.net)
What’s coming up..

- Membership & resource statistics
- APNIC activities in SA
- Services
- Projects
- Meetings
Next meetings

• APNIC 22
  – Kaohsiung, Taiwan
  – 4-8 Sep, 2006

• APRICOT 2007, APNIC 23
  – Bali, Indonesia
  – 27 Feb-2 Mar, 2007

• Participate remotely!
  – Webcast, podcasts, jabber chat, live transcripts

• Everyone is welcome
  – http://www.apnic.net/meetings