South Asian Network Operators Group (SANOG)

Gaurab Raj Upadhaya

SANOG / APIA / NPIX / PCH

gaurab @ lahai . com

SANOG

3 June 2008, AFNOG, Rabat Morocco

South Asia ..

- Afghanistan
- Bangladesh
- Bhutan
- India
- Maldives
- Nepal
- Pakistan
- Sri Lanka

What is SANOG

- SANOG is South Asian Network Operators Group
  - Similar to NANOG in North America, RIPE meetings in Europe, AFNOG in Africa, and APRICOT in the broader Asia Pacific Region
- It's based on the non-commercial agenda of sharing of networking and operational experiences within and with the rest of the world.

Why

- The presence of people form the South Asian region at the other international forums is poor
  - Cost, culture, distance and level of discussions are all factors
- The people networking within the region was non-existent
- The only few who did get a chance to be at APRICOT/NANOG etc, couldn't share the knowledge because of lack of a local forum.

So, we setup SANOG

- SANOG was setup as a smaller version of APRICOT
  - Workshops, tutorials, Conference
  - Close co-operation with APNIC
  - Co-operation with most of APRICOT instructors
- Main aim was to foster people networking and operational best practices in the region
- Get engineering folks to talk tech and provide them a forum

When

- OPEN Meeting
  - Everyone is welcome to participate
  - Typical meeting have people from the region, plus a wide range of participants from all over the world
- It's hosted in the SA region.
  - Twice a year, in Northern summer and winter

SANOG History

- SANOG I : 22-28 January, 2003, Kathmandu, Nepal
  - Fairly Small, co-located, no workshops, 110+
- SANOG II : 20-27 July 2003, Colombo Sri Lanka
  - Co-located, with 2 workshops, small conference, 110+
- SANOG III: 15-22 January, 2004, Bangalore, India
  - Co-located with v6 summit, good overall feedback, ISOC Support for fellowship. 150+
- SANOG IV : 23- 30 July, 2004, Kathmandu, Nepal
  - Independent event, 3 workshops, NSRC collaboration, MoU with APNIC, APIA, new website, More committees, 150+

SANOG History

- SANOG V : 6-13 February, 2005, Dhaka, Bangladesh
  - Very well attended despite ongoing uncertainty due to tsunami, SAARC summit, political changes in Nepal etc.. 160+
- SANOG VI : 16-23 July, 2005, Thimphu, Bhutan
  - First such large event in Bhutan, large local participation, much higher quality conference program, 140+
- SANOG VII 16-24 January, 2006, Mumbai, India
  - Hosted by ISP Association of India, support from NIXI, and GoI. 220+ participants

SANOG datelines

- SANOG VIII : 27 July - 4 August, 2006, Karachi, Pakistan
  - First ever Ops meeting in Pakistan. Spins off NSP events. IPv6 test bed launched & succeeded). 180+
- SANOG IX : 14-24 January 2007, Colombo, Sri Lanka
  - 4 workshops due to student overflow. 2 days holiday experiment in between. Hosted by Sri Lanka Telecom. 200+
- SANOG X / APNIC 24 : 29 August 2007 to 7 September 2007, New Delhi, India
  - ISPAI hosted the combined SANOG with APNIC meeting. Biggest SANOG so far (~ 300 participants)
- SANOG XI : 16-24 January, 2008, Dhaka, Bangladesh
  - New metro Ethernet/MPLS workshop ~200 participants

SANOG XII

- 6-14 August, 2008, Kathmandu, Nepal
- Hosted by Nepal Internet Exchange (NPIX), with NREN, ISPAN and others.
- Side meetings of R&E Networks in the region
- www.sanog.org/sanog12/

SANOG I

SANOG

SANOG II

SANOG III

SANOG

- SANOG IV

SANOG

SANOG V

SANOG

3 June 2008, AFNOG, Rabat Morocco

SANOG VI

SANOG

SANOG VII

Pictures by S. Chendi

SANOG

3 June 2008, AFNOG, Rabat Morocco

SANOG VIII

South Asian Network Operators Group - VIII
Hosted By
Networkers' Society of Pakistan
www.nsp.org.pk
APNIC
Juniper

ENDORSED BY
SANOG
South Asian Network Operators Group - VIII
27th July - 04 August 2006, Karachi - Pakistan
SPONSORS
Diamond Sponsor
Platinum Sponsor
APNIC
Gold Sponsors
GATEWAY
Other Sponsors
PCH
CYBERNET

Bandwidth Provided By
AIRCEL
Other Sponsors
AUTONOMICA
Supported By
apia
ISPAI

DO NOT TOUCH
DO NOT CONNECT
Restricted Area

apia
Internet Society

Structure

- Core committee
  - Programme Committee
  - Fellowship Committee
- Advisory Council
- Meeting is 9 days
  - 3 parallel 5 days workshops
  - 3 parallel tracks 2 days of tutorial
  - Single track 1.5 to 2 days conference

Collaborations

- Signed MoU with APNIC during APNIC 16 for co-operation
- Co-operation with ISOC and NSRC since SANOG III.
- ISOC funding has been critical for fellowship program
- ISC, APIA, NetNod, PCH, IPJ, npIX, ISPAI, ISPAN, BDIX, NSP
- The community of folks in the region

Financially

- We have sponsors
  - Local sponsors generally provide services and support
  - Major international commercial sponsors provide cash and other resources
  - ISOC sponsors the Fellowship Program
  - Few sponsors like Netnod, ISC, PCH, NPIX help to keep SANOG going by providing ongoing support
  - APNIC provides both cash and resources and has very strongly supported SANOG from the beginning

Future SANOGs

- SANOG XIII
  - 15-22 January 2009, Lahore, Pakistan
- SANOG XIV
  - July/August 2009, South India
- SANOG XV
  - January 2010, Colombo, Sri Lanka

Thank You

hopefully, we'll see you at the next

SANOG

6 - 14 August 2008, Kathmandu, Nepal