

Day 4-2

Inter-Network Cooperation

Cooperation and Coordination

community, sharing,
incident response, trust

cooperation and coordination

to keep the Internet working

- we are relying on each other

it's good to know

- community
- point of contact

NOGs

Network Operations Group is an open forum

- technology discussions
- sharing operational best practices
- compare experience
- peering coordination
- establishing personal relationships

medium for NOGs

mailing-list

- anyone can subscribe
- traffic depends on events and topics

in-person meeting

- participation fee varies, and costs of transports, accommodations
- high value

NANOG

North American Network Operators' Group

- evolved from the NSFNET "Regional-Techs" meetings in 1994
- Three meetings each year

NANOG59, Oct 2013, Phoenix

NANOG60, Feb 2014, Atlanta

NANOG61, Jun 2013, Washington

<https://www.nanog.org/>

- program
 - 1 day tutorial
 - 3 days plenary
- about 500 attendees
 - from Asia and Europe as well



AfNOG

The African Network Operators' Group

- also called 'Africa Internet Summit'
- established in 2000
- co-located with Af* meetings
- held annually in spring

AfNOG/AIS 2014, Jun 2014, Djibouti

<https://www.afnog.org/>

- program

 - 5 days workshop

 - 5 days conference and tutorial

 - 2 days AfriNIC meeting

- about 150 attendees



APRICOT

Asia and Pacific Operations Conference

- established in 1996
- co-located with AP* meetings
- held annually on the last week of Feb

APRICOT2013, Singapore

APRICOT2014, Petaling Jaya

APRICOT2015, Fukuoka

<http://www.apricot.net/>

- program

 - 5 days workshop

 - 4 days conference and tutorial

 - 1 day APNIC member meeting

- about 600 attendees



SANOG

South Asian Network Operators Group

- established in 2003
- Two meeting each year

SANOG23, Jan 2014, Thimphu

SANOG24, Aug 2014, Hyderabad

<http://www.sanog.org/>

program

- 5 days workshop
 - 1 day tutorial
 - 1 day conference
- about 250 attendees



JANOG

Japan Network Operators' Group

- established in 1997

local language community - Japanese

- Two meetings each year

JANOG33, Jan 2013, Beppu

JANOG34, Jul 2013, Takamatsu

<http://www.janog.gr.jp/>

- program
 - 2 days plenary
- about 400 attendees



BoFs

birds of a feather(BoF) is a small meeting
focused on a specific topic

- security, peering, and so on

usually scheduled in advance, sometimes
organized on demand



coffee breaks and social events

to expand relationships

- business and personal

to start/manage a project

- a face-to-face meeting help to step forward things



NOG operation

independent

- forms a committee to lead the NOG

support from cross industry

- Service Providers
- Research and Academics
- Vendors
- ISOC, NSRC, APNIC, APIA

other upcoming events

upcoming network-related education or training events

- <http://ws.edu.isoc.org/calendar/>

CSIRT

Computer Security Incident Response Team(CSIRT) provides the incident handling service for its constituency
- may offer other related services as well

The first CSIRT - CERT/CC was created in 1988 in response to the Morris worm incident

computer security incident

Any real or suspected adverse event
examples:

- attacks to/from your network
- compromised host
- account/information theft
- spam or IT policy violation

needs for response

to limit the damage

to lower the cost of recovery

an effective response benefits for
organizations

- motivation to have a CSIRT in your organization

The incident handling service

- a single point of contact to receive incident reports
- provides response and support to the report
- announcement to disclose information about specific attack/incident
- feedback to the report/request

building your CSIRT

mission statement

- what/how to do

constituency

- for whom

structure

- budget, position within organization

relationship with other CSIRTs

CSIRT types

National CSIRTs

- a national point of contact to coordinate an incident handling, reduce the number of security incidents in that country

ISP/xSP CSIRTs

- provide a secure environment for their customer, and provide response to their customers for security incidents

CSIRT types

Vendors CSIRTs

- improve the security of their products

Enterprise CSIRTs

- improve the security of their corporation's infrastructure, and provide on-site response for security incidents

Point of Contact

