PacNog 13th Educational Workshops and Training
01-05 July 2013; Nuku’alofa, TONGA

Kindly hosted by Tonga Communications Corporation (TCC)

Tentative Program:

MON: 01 July 2013:
- 0800-0900 Registration
- 0900-1300 Conference on IP/ISP network case studies, standards & best practice
- 1400-1700 Tutorial & Seminar on Supplementary topics (TBA)
- Evening Networking reception

TUE-FRI: 02-05 July 2013
4-days Workshops & Hands-on Training Streams (2 Tracks) Time: 0900-1730

TRACK 1: Introduction to Routing & Basic Level BGP Workshop
*Instructors:* Philip Smith (APNIC) + Champika Wijaytunga (APNIC)
*Topics:*
  - Routing essentials introduction
  - Routing principles
  - IP addressing
  - Network planning essentials
  - 2-Byte and 4-Byte AS Numbers
  - Router configuration
  - Basic OSPF operations
  - Basic BGP operations
  - BGP Attributes & Policy
  - BGP Scaling, BGP Best Practices

  Labs involved:
  - Setting up network with OSPF and BGP
  - Adding IPv6 OSPF-BGP Lab, eBGP Lab (using IPv4 and IPv6)
  - Filtering and BGP Policies Lab (using IPv4 or IPv6 or both)

TRACK 2: TCP/IP Fundamentals & Linux System Administration
*Instructors:* Andy Linton (NSRC) and Dean Pemberton (NSRC)
*Topics:*
  - Introduction to UNIX
  - UNIX permissions
  - Introduction to Ubuntu
  - UNIX commands & the CLI
  - UNIX sysadmin
  - IPv4/v6 networking essentials
  - DNS Fundamentals
  - DNS and Email
  - Setting up an MTA: postfix
  - Postfix Labs
  - Security essentials: part I (hardening, tools, ...)
  - Crypto: SSH
  - Apache with SSL
  - Webmail
  - Backup and data integrity
  - Conf mgmt & version control
  - Scripting and Rege
  - Scripting and Re
  - Firewalls
  - Virtualization
  - Virtualization, part II