



20th Educational Conference & Training

03 – 07 July, 2017

Venue: Tanoa Plaza Hotel, Suva, FIJI

Tentative Program: DAY 1-5 MON-FRI.

DAY 1 - MONDAY – 03 July 2017

Venue: Conference Centre, Tanoa Plaza, Suva, FIJI

08:30-09:00: Registration

0900: **Conference: Presentations, Tutorials & Country Network exchange**

1400: **Introduction to Network Routing/Refresher Course**

1600: Networking reception

DAY 2 to 5 - TUESDAY 04th July to FRIDAY 07th July

Workshop Tracks: Delegates must use own Laptops

Start and End 0830am to 0500pm

Breaks: Morning Tea 1015-1035am

Lunch 1230- 0130pm

Afternoon Tea 0315-0335pm

Track 1: Network Routing workshop

Room: Main Conference Room

Instructors: Jessica Wei (APNIC), Arth Paulite (APNIC) and John Chand (APNIC Community)

Track 2: Network Security workshop

Room: Breakout Room 1 & 2

Instructors: Fakrul Alam (APNIC) and Jethro Tambeana (APNIC Community)

PacNOG 17 Closing Function

Friday 17th, 16:00-16:30 – to be held by each respective Workshop Track

- Evaluation and Debriefing
- Certificate Presentation
- Acknowledgement and Closing Remarks

DAY 1 – MONDAY – 03 JULY 2017 PROGRAM

0855: Everyone seated

Introductions, conference & speakers/MC

Fred Christopher, PITA Manager

09:00-09:10: Welcome and Opening Remarks

George Samisoni, PITA Executive Committee Member

09:10: PacNOG Partners on IP and global Network operational matters

ICANN Update and DNS Security information

Key update from ICANN59 meeting will be shared to the technical stakeholders attending PacNOG. How to engage and stay abreast with developments in ICANN. It is also critical for network operators in the region performing DNSSEC validation to be aware of the upcoming changes to the DNS Root zone KSK rollover.

Savenaca Vocea, Vice President Stakeholder Engagement – Oceania, ICANN

APNIC Update and future planned initiatives

This presentation is designed to update the Pacific network operations industry on what is happening around the world with Internet resources. It also takes a closer look at the the upgrade of APNIC whois to version 4 including the implementation of an organization object and what this change will mean. Along with exploring the importance of building security incident response capabilities, and future planned future initiatives.

Elly Tawhai, Senior Internet Resource Analyst/Liaison Officer-Pacific, APNIC

10:00: Group Photo & Morning Break

Tutorials

APNIC IPv6 deployment & ANYCAST Cloud Services

About fifteen years ago, APNIC received a /35 under minimum allocation size criteria. With the lack of IPv6 backbone provider at that time, we manage to deploy IPv6 gradually and learned from it. Fast forward to the present time and we are now deploying IPv6 from cloud service provider as anycast.

Arth Paulite, Lead Systems Architect, APNIC

Traffic Engineering with MPLS TE

Traffic Engineering (TE) is a technique that help network operators to manipulate packet flows to attain more uniform distribution of traffic across multiple path. Be able to force traffic onto specific path allows the operator to get the most out of the existing network capacity while making it easier to deliver consistent service levels to customers at the same time.

Jessica Wei, Training Officer, APNIC

Country and Network Presentations on developments, case study experiences and challenges

1. Vanuatu Network Developments

This presentation will discuss the significant developments in Vanuatu networks with ICT and recent changes

Jethro Webston, Network Manager, Vanuatu Government

2. Upgrading to a Full IP HUB, experience and challenges

Telecom Fiji currently has implemented an upgrade for their VSAT Networks from the legacy HUB to a full IP HUB, bringing with it greater efficiencies, and new services such as VOIP, Broadband, IPVPN and IP Backhaul. This case presentation will cover the IP network scope, planning, choices and challenges during the implementation of the upgrade and migration of customers to the new platform, as well as benefits and lessons.

Prit Chand, Manager Planning, Telecom Fiji Ltd

3. Managing Network Services over the Cloud

BSP-LIFE IT Department provide IP network services for its various branches and headquarters using the Cloud. This presentation discusses the network operations, challenges and technical observations from the perspectives of network engineers

Pauliasi Waqanokonoko, Manager IT Infrastructure, BSP LIFE

4. Accessing international education networks

Introduction of education networks sector developments and discussing the technical design and project implementation of access to the international Research and Education Networks, and integration to the Fiji wide area network with FNU points of presence at its campuses.

Sanjay Singh, Manager ICT Infrastructure & Ashwani Kumar, Senior Network Admin, FIJI NATIONAL UNIVERSITY

[Discussions and Open Panel on Network operation challenges and emerging issues]

1230: Lunch Break

1400-1500pm: Refresher workshops/course on
Introduction to Network Routing & IP Networking Fundamentals

Room: Main Conference Room

Instructor: Jessica Wei & Elly Tawhai (APNIC)

1500-1520pm: Afternoon Tea Break

1520-1600pm: Cont'd refresher courses

1600pm End Day 1

1900-2100pm: Reception & Networking function