

PacNOG Update

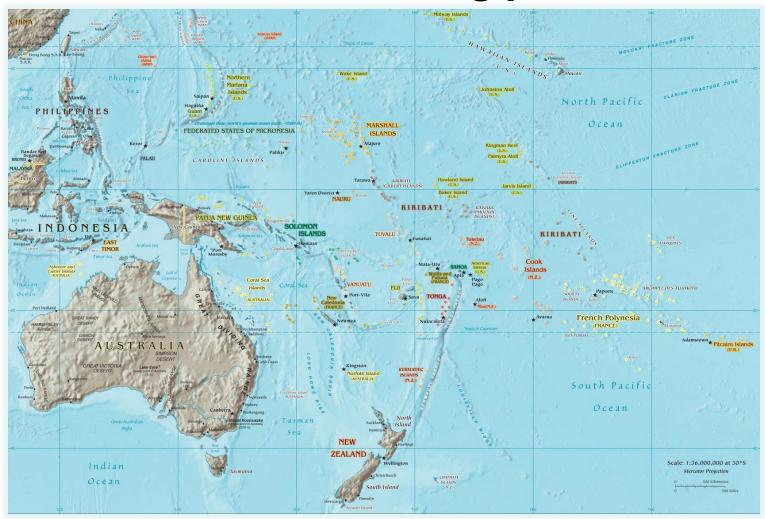
Pacific Network Operators Group

APRICOT 2013 Singapore 27 June 2013





The Pacific Ocean is a big place...



...The Pacific Network Operators Group is trying to make it a little bit smaller by building the human & technical network.





Origins of PacNOG

- 2004: Pre-APNIC 18 Workshop, August 2004, Nadi, Fiji
- 2005: First PacNOG Meeting in June
 - Nadi, Fiji
 - 1 workshop over 1 week
 - Topics: FreeBSD, Mail and Web, Security, Routing (BGP and Multihoming)
 - Hosted by The Pacific Islands Telecommunications Association (PITA)
 - 30 participants from around the Pacific





PacNOG 1 – Nadi, Fiji, 2005







Since then...

PacNOG 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12...

- Apia, Samoa
- Rarotonga, Cook Islands
- Port Vila, Vanuatu
- Papeete, French Polynesia
- Nadi, Fiji
- Pago Pago, American Samoa
- Kolonia, Pohnpei, Federated States of Micronesia
- Suva, Fiji
- Nouméa, New Caledonia
- Denarau Island, Nadi, Fiji
- Port Moresby, Papua New Guinea





























Workshops topics have included:

- IPv4/IPv6 routing workshops including OSPF-BGP routing, multihoming, etc.
- Internet and network security including DNS Security
- Introduction and advanced network security and forensics
- System administration, Linux/Unix and DNS Infrastructure
- Network management and monitoring
- VoIP and telephony solutions
- ccTLD: introduction and advanced registry operations
- Internet exchange points (IXPs)

And many, many more topics during conference days





Results

Technical training provided to over 500 network technicians from Industry, Education, Government and Scientific Research Stations representing over 20 Pacific Nations, including:

American Samoa

Australia

Cook Islands

French Polynesia

Fiji

Federated States of Micronesia

Guam

Kiribati

Marshall Island

Nauru

New Caledonia

New Zealand

Niue

Palau

Papua New Guinea

Samoa

Solomon Islands

Tonga

Tuvalu

Vanuatu





Key Partners

Providing financial, logistical and personnel support:

APNIC: Asia Pacific Network Information Center

CISCO: Cisco Systems

CYMRU: Team Cymru

ICANN: Internet Corporation for Assigned Names and Numbers

InternetNZ: Internet New Zealand or .NZ

ISOC: Internet Society

ITU: International Telecommunications Union

NSRC: Network Startup Resource Center

PCH: **Packet Clearing House**

PITA: Pacific Islands Telecommunications Association

USP: The University of the South Pacific













CISCO







Our Local Hosts

Without whom these events could not happen:

- Pacific Islands Telecommunication Association
- SamoaTel
- Telecom Cook Islands
- Telecom Vanuatu Ltd.
- Office des Postes et Telecommunications de Polynesie Française
- Telecom Fiji, Ltd.
- Blue Sky Communications
- FSM Telecommunications Corporation
- University of the South Pacific
- Japan International Cooperation Agency Regional ICT Centre
- OPT Nouvelle-Caledonie
- Telikom PNG





PacNOG 12, December 2012

PacNOG 12

December 10-14, Port Moresby, Papua New Guinea Grand Papua Hotel

- Two concurrent workshops on:
 - BGP Routing and IXPs
 - Internet and Network Security Workshop
- One day of Plenary Conference and Tutorials
 - A Day in the Life of a Bot
 - Measuring the quality of Real-Time Internet Traffic
 - Peering, Transit and IXP Design
- 40+ participants from 12 Pacific economies





The Future

PacNOGs 13, 14, 15 and 16 in the works...

- PacNOG 13: Late June or early July in association with the Tonga Telecommunications Association
- PacNOG 14: In Nov/Dec with the University of the South Pacific in Suva, Fiji – WiFi Projects
- 2014: In talks with several potential hosts for PacNOGs 15 and 16, including potentially two new locations.





More future

- Multiple new and upcoming fiber optic and satellite (O3b) projects in the Pacific region.
- As connectivity improves proper network infrastructure, planning and knowledge become more important.
- As connectivity improves local economies tend to mature (work opportunities, tourism, research and education).
- PacNOG's human and technical community building helps to facilitate this.





We hope to see you @ PacNOG



www.pacnog.org - pacnog@pacnog.org



