

BGP/Peering Workshop



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PacNOG 19

Nadi, Fiji

28th November to 2nd December 2016

Workshop Materials

- ❑ This workshop:
 - <http://www.ws.nsrc.org/>
 - Please keep this URL open, and download workshop materials as the workshop progresses

- ❑ Archive of this workshop:
 - <https://nsrc.org/workshops/2016/pacnog19-routing>

- ❑ Master presentation archive:
 - <http://bgp4all.com/dokuwiki/workshops/start>



Housekeeping

- Wireless

- SSID: NSRC-PFS

- Password: 8888888888 (ten 8s)

Housekeeping

- This is a 4 day workshop
 - Completion certificates will be given to those who attend all four days
 - Have fun!
- Please Ask Questions
- No Skype, IM, Facebook, Twitter, etc.
- Mobile phones OFF or on SILENT
 - If you must take calls, please do so OUTSIDE the room

Agenda – Monday

14:00 Introductions, Objectives

14:15 Presentation

“Introduction to Routing”

14:45 Lab Module 1 – Lab Setup

15:00 Afternoon Break

15:30 Presentation

“Introduction to IS-IS”

16:00 Lab Module 1 – Lab Setup

17:00 Close

19:00 – 21:00

“Barbeque Networking Function”

Agenda – Tuesday

08:30 Presentation

“Introduction to BGP”

10:45 Lab Module 6 – IS-IS, iBGP and eBGP

12:30 Break for Lunch

13:30 Presentation

“BGP Attributes”

15:45 Lab Module 6 – IPv6 IS-IS, iBGP and eBGP

17:00 Close

(breaks for tea/coffee at 10:15 and 15:15)

Agenda – Wednesday

08:30 Presentations

“BGP Policy Control”, “BGP Best Practices”

12:30 Break for Lunch

13:30 Lab Module 7 – BGP Route Filtering

15:45 Presentation

“BGP Scaling Techniques”

17:00 Close

(breaks for tea/coffee at 10:15 and 15:15)

Agenda – Thursday

08:30 Presentations

“BGP Multihoming (Part 1)”

10:45 BGP Peering & IXP Lab (Part 0)

12:30 Break for lunch

13:30 BGP Peering & IXP Lab (Part 1)

15:45 Presentation

“BGP Multihoming (Part 2)”

17:00 Close

(breaks for tea/coffee at 10:15 and 15:15)

Agenda – Friday

08:30 Presentations

“BGP Origin Validation”, “The Value of Peering”

10:45 Peering & IXP Lab (Part 3)

12:30 Break for lunch

13:30 Presentation

“BGP Communities”, “Remotely Triggered Blackhole Filtering”

14:45 Peering & IXP Lab (Part 4)

16:30 Q&A and Certificate Presentation

17:00 Close

(breaks for tea/coffee at 10:15 and 15:15)