

BGP Workshop



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PacNOG 16, Honiara
1st – 5th December 2014

Workshop Materials

- Master archive:
 - <http://bgp4all.com/ftp/isp-workshops>

- This workshop:
 - <https://nsrc.org/workshops/2014/pacnog15-ws/wiki/Track1Agenda>

 - Please keep this URL open, and download workshop materials as the workshop progresses



Housekeeping

- Wireless
 - SSID: tba
 - Password: tba

Housekeeping

- This is a 4½ day workshop
 - Completion certificates will be given to those who attend all four days
 - Small exam at the end
 - 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

09:00 PacNOG Conference

13:00 Break for Lunch

14:00 Introductions, Objectives

14:15 Presentations

“Routing Basics”, “Introduction to ISIS”, “ISIS for ISPs”

16:00 Lab Module 1 – Basic ISIS

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Tuesday

09:00 Presentation

“Introduction to BGP”

10:00 Lab Module 1 – Basic iBGP

11:00 Presentations

“ISIS for ISPs”, “BGP Attributes”

13:00 Break for Lunch

14:00 Presentations

“IPv6 Standards and Protocols”

“IPv6 Addressing”, “IPv6 Routing Protocols”

16:00 Lab Module 1 – IPv6 ISIS and iBGP

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Wednesday

09:00 Presentations

“ISIS for IPv6”, “BGP for IPv6”

09:30 Lab Module 1 – IPv6 ISIS and iBGP (cont)

11:00 Presentations

“OSPF to ISIS migration”, “BGP Policy Control”

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP

(Using IPv4 and IPv6)

16:00 Presentation

“BGP Scaling Techniques”

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Thursday

09:00 Presentations

“BGP Best Practices”, “BGP Multihoming (part 1)”

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP (cont)

16:00 Presentations

“BGP Multihoming (part 2)”

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Friday

09:00 Presentations

“The Value of Peering”, “IXP Design”

11:00 Lab Module 16 – IXP

13:00 Break for lunch

14:00 Lab Module 16 (cont)

16:00 Presentation

“BGP Communities”

17:45 Extra Topics:

Configuring Dynamips,...

18:00 End of Workshop

(breaks for tea/coffee at 10:30 and 15:30)