

BGP Workshop



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PacNOG 15, Port Vila
15th – 18th July 2014

Workshop Materials

- Master archive:

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

- This workshop:

- <https://nsrc.org/workshops/2014/pacnog15-bgp/wiki/Track1Agenda>
 - Please keep this URL open, and download workshop materials as the workshop progresses



Housekeeping

- Wireless
 - SSID: TBA
 - Password: TBA

- DNS Resolver
 - TBA

Housekeeping

- ❑ This is a four 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 – Tuesday

09:00 Introductions, Objectives

09:15 Presentations

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

13:00 Break for Lunch

14:00 Lab Module 1 – Basic ISIS

16:00 Presentation

“Introduction to BGP”

17:00 Lab Module 1 – Basic iBGP

18:00 Close

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

Agenda – Wednesday

09:00 Presentations

“IPv6 Standards and Protocols”

“IPv6 Addressing”, “IPv6 Routing Protocols”

12:00 Lab Module 1 – IPv6 ISIS and iBGP

13:00 Break for lunch

14:00 Lab Module 1 (continued)

16:00 Presentation

“BGP Scaling Techniques”

18:00 Close

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

Agenda – Thursday

09:00 Presentation

“BGP Attributes”

10:00 Lab Module 3 – Route Reflector

IPv4 and IPv6

12:00 Presentation

“BGP Best Practices”

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP

(Using IPv4 and IPv6)

18:00 Close

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

Agenda – Friday

09:00 Presentations

“BGP Policy Control”, “BGP Multihoming – Part 1”

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP

(continued)

15:00 Presentations

“OSPF to ISIS Migration”, “BGP Multihoming – Part 2”

17:45 Extra Topics:

Configuring Dynamips,...

18:00 End of Workshop

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