

BGP Workshop



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APRICOT 2015

Fukuoka

24th – 28th February 2015

Workshop Materials

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

- This workshop:
 - <https://web.nsrc.org/workshops/2015/apricot2015/wiki/Track1Agenda>

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

Housekeeping

- Wireless
 - SSID: workshop-bgp
 - Password: apr15bgp

Housekeeping

- This is a 5 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”

11:00 Lab Module 1 – Basic ISIS

12:30 Break for Lunch

14:00 Presentations

“ISIS for ISPs”, “Introduction to BGP”

16:00 Lab Module 1 – Basic BGP

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”

11:30 Lab Module 1 – IPv6 ISIS and iBGP

12:30 Break for Lunch

14:00 Presentations

“ISIS for IPv6”, “BGP for IPv6”, “BGP Scaling Techniques”

17:00 Lab Module 3 – BGP Route Reflector

(Using IPv4 and IPv6)

18:00 Close

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

Agenda – Thursday

09:00 Presentations

“BGP Attributes”, “BGP Policy Control”

11:00 Lab Module 6 – iBGP and eBGP

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP

(continued)

16:00 Presentations

“OSPF to ISIS migration”, “BGP Best Practices”

18:00 Close

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

Agenda – Friday

09:00 Presentation

“BGP Multihoming (part 1)”

11:00 Lab Module 7 – Route Filtering

13:00 Break for lunch

14:00 Presentation

“BGP Multihoming (part 2)”

16:00 Lab Module 7 – Route Filtering

18:00 Close

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

Agenda – Saturday

09:00 Presentation

“BGP Communities”

11:00 Lab Module 8 – BGP Policies

13:00 Break for lunch

14:00 Presentation

“The Value of Peering”

16:00 Lab Module 8 – BGP Policies

17:45 Extra Topics:

Configuring Dynamips,...

18:00 End of Workshop

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