

Routing Workshop



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BTNOG 3

Thimphu

14th – 17th November 2016

Workshop Materials

- ❑ Master presentation archive:
 - <http://www.bgp4all.com/dokuwiki/workshops>
- ❑ Archive of this workshop:
 - <https://nsrc.org/workshops/2016/btnog3-routing>
- ❑ This workshop:
 - <http://www.ws.nsrc.org/>
 - Please keep this URL open, and download workshop materials as the workshop progresses



Housekeeping

□ Wireless Network

- SSID: NSRC-PFS
- Password: ten 8s (888888888888)

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, WhatsApp, Facebook, Twitter, etc.
- ❑ Mobile phones OFF or on SILENT
 - If you must take calls, please do so OUTSIDE the room

Agenda – Monday

09:00 Introductions, Objectives

09:30 Presentation

“Introduction to Internet”

11:00 Lab Module 1 – Setup

12:30 Break for Lunch

14:00 Presentation

“Routing Basics”

16:00 Presentation

“Introduction to IS-IS”

16:30 Lab Module 1 – IS-IS

17:30 Close

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

Agenda – Tuesday

09:00 Presentation

“Introduction to BGP”

11:00 Lab Module 1 – iBGP

12:30 Break for Lunch

14:00 Presentation

“IPv6 Protocol & Standards”

16:00 IPv6 Lab Module 1 – Setup

17:30 Close

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

Agenda – Wednesday

09:00 Presentations

“IPv6 Addressing”, “IPv6 Routing Protocols”

12:30 Break for Lunch

14:00 IPv6 Lab Module 1 – IS-IS

16:00 IPv6 Lab Module 1 – BGP

17:30 Close

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

Agenda – Thursday

09:00 Presentation

“BGP Attributes”

11:00 Lab Module 6 – iBGP & eBGP

12:30 Break for lunch

14:00 IPv6 Lab Module 6 – iBGP & eBGP

16:00 Presentations

“Comparing OSPF & IS-IS”, “Migrating from OSPF to IS-IS”

17:30 Close

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

Agenda – Thursday

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 (cont)

17:00 Lab Module 8 – BGP Policy Lab

18:00 Close

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

Agenda – Friday

09:00 Presentations

“OSPF vs IS-IS”, “Migrating from OSPF to IS-IS”

11:00 Lab Module 8 (cont)

13:00 Break for lunch

14:00 Presentations

“BGP Communities”, “The Value of Peering”

17:15 Extra Topics:

Configuring Dynamips,...

17:30 End of Workshop

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