

BGP Workshop (IPv4 & IPv6)



Mark Tinka, Philip Smith,
Johnathan Lee

APRICOT 2013, Singapore
19 – 23 February 2013

Agenda – Tuesday

09:00 Introductions, Objectives

09:30 Presentations

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

12:00 Lab Module 1b – Basic ISIS

13:00 Break for Lunch

14:00 Presentation

“Introduction to BGP”

15:00 Lab Module 1c – Basic iBGP

16:00 Presentations

“Introduction to IPv6”, “IPv6 Standards and Protocols”

17:30 Close

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

Agenda – Wednesday

09:00 Presentations

“IPv6 Addressing”, “IPv6 Routing Protocols”,
“ISIS for IPv6”, “BGP for IPv6”

11:00 IPv6 Lab Module 1b – IPv6 ISIS

12:00 IPv6 Lab Module 1c – IPv6 iBGP

13:00 Break for lunch

14:00 Presentation

“BGP Scaling Techniques”

15:00 Lab Module 3 – BGP Route Reflector
(IPv4 and IPv6)

16:30 Presentation

“BGP Attributes”

17:30 Close

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

Agenda – Thursday

09:00 Presentations

“BGP Policy Control”

11:00 Lab Module 6 – iBGP and eBGP
(IPv4)

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP
(IPv6)

16:00 Presentation

“BGP Best Practices”

17:30 Close

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

Agenda – Friday

09:00 Presentations

“4byte ASNs”, “BGP Multihoming – Part 1”

12:00 Lab Module 7 – Route Filtering

13:00 Break for lunch

14:00 Lab Module 7 (continued)

16:00 Presentation

“BGP Multihoming – Part 2”

17:30 Close

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

Agenda – Saturday

09:00 BGP Security Workshop

“The RPKI and Origin Validation”, “RPKI Lab”

12:00 Presentation

“IPv6 Security”

13:00 Break for Lunch

14:00 Presentation

“IPv6 Deployment Case Study”

15:00 Extra Topics:

Configuring Dynamips,...

15:30 End of Workshop

16:00 Workshop Graduation

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