

BGP Workshop (IPv4 & IPv6)



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2nd – 6th July 2012

Agenda – Monday

09:00 Morning Conference

12:30 Workshop Objectives

13:00 Break for Lunch

14:00 Introductions

14:15 Presentations

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

17:00 Lab Module 1a – Basic OSPF

18:00 Networking Reception

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

Agenda – Tuesday

09:00 Presentation

“Introduction to BGP”

10:00 Lab Module 1c – Basic iBGP

11:00 Presentation

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

13:00 Break for lunch

14:00 Presentations

“IPv6 Addressing & Routing”, “OSPF & BGP for IPv6”

16:30 IPv6 Lab Module 1a – OSPF for IPv6

18:00 Evening Session: 4-byte ASNs

(breaks for tea/coffee at 10:30 and 16:00)

Agenda – Wednesday

09:00 IPv6 Lab Module 1c – IPv6 iBGP

10:00 Presentations

“BGP Attributes”, “BGP Scaling Techniques”

13:00 Break for lunch

14:00 Lab Module 3 – BGP Route Reflector
(IPv4 and IPv6)

16:30 Presentations

“BGP Policy Control”

18:00 Evening Session: BGP Best Practices

(breaks for tea/coffee at 10:30 and 16:00)

Agenda – Thursday

09:00 Presentations

“IPv6 Transition Techniques”

11:00 Lab Module 6 – iBGP and eBGP
(IPv4 and IPv6)

13:00 Break for lunch

14:00 Lab Module 6 (continued)

16:30 Presentation

“ISP Network Design”

18:00 Evening Session: BGP Troubleshooting

(breaks for tea/coffee at 10:30 and 16:00)

Agenda – Friday

09:00 Presentations

“BGP Multihoming – Part 1”

11:00 Lab Module 7 – Route Filtering

13:00 Break for Lunch

14:00 Presentations

“BGP Multihoming – Part 2”

15:00 Lab Module 7 (continued)

17:00 Quiz

17:30 Extra Topics:

Configuring Dynamips,...

18:00 End of Workshop

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