

# BGP Workshop (IPv4 & IPv6)



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PacNOG 10, Nouméa

22<sup>nd</sup> – 26<sup>th</sup> November 2011

# Agenda – Tuesday

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08:30 Introductions, Objectives

09:00 Presentations

“Internet Introduction”, “Routing Basics”

“Introduction to OSPF”, “OSPF for ISPs”

12:30 Break for Lunch

13:30 Lab Module 1 – Basic OSPF & iBGP

15:30 Presentations

“Introduction to BGP”, “Introduction to IPv6”

17:30 Close

(breaks for tea/coffee at 10:00 and 15:00)

# Agenda – Wednesday

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08:30 Presentations

“IPv6 Standards and Protocols”, “IPv6 Addressing”,  
“IPv6 Routing Protocols”, “OSPF & BGP for IPv6”

11:30 Lab Module 1 – IPv6 OSPF and 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 10:00 and 15:30)

# Agenda – Thursday

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08:30 Presentation

“BGP Policy Control”

10:30 Lab Module 6 – iBGP and eBGP

(IPv4 and IPv6)

12:30 Break for lunch

13:30 Lab Module 6 (continued)

14:30 Presentation

“BGP Best Practices”

15:30 Lab Module 7 – Route Filtering

17:30 Close

(breaks for tea/coffee at 10:00 and 15:00)

# Agenda – Friday

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08:30 Presentation

“BGP Multihoming – Part 1”

10:30 Lab Module 7 (continued)

11:00 Lab Module 8 – Multihoming Strategies

12:30 Break for lunch

13:30 Lab Module 8 (cont)

15:30 Presentation

“BGP Multihoming – Part 2”

17:30 Close

18:00 Social Event – Hosted by OPT (Le Meridien)

(breaks for tea/coffee at 10:00 and 15:00)

# Agenda – Saturday

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08:30 Presentations

“Introduction to ISIS”, “ISIS for ISPs”, “ISIS for IPv6”,  
“OSPF vs ISIS”, “OSPF to ISIS Migration”

10:30 Module 30 – Migrating from OSPF to ISIS

12:30 Break for Lunch

13:30 Presentation

“IPv6 Deployment Case Study”

15:00 Extra Topics:

IPv6 Address planning, Configuring Dynamips,...

15:30 End of Workshop

(break for tea/coffee at 10:00 and 15:30)