

# Routing Workshop (IPv4 & IPv6)



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BTNOG 1

Phuentsholing

18<sup>th</sup> – 21<sup>st</sup> November 2014



# Housekeeping

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- Wireless
  - SSID: Routing
  - Password: btnog2014
- Breaks & Lunches
  - Lawn, outside this building

# Housekeeping

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- This is a four 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

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09:00 Introductions, Objectives

09:30 Presentations

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

13:00 Break for Lunch

14:00 Lab Module 1a – Basic OSPF

15:00 Presentation

“Introduction to BGP”

16:00 Lab Module 1c – Basic iBGP

17:30 Close

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

# Agenda – Wednesday

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09:00 Presentations

“IPv6 Introduction”, IPv6 Standards and Protocols”

“IPv6 Addressing”, “IPv6 Routing Protocols”

13:00 Break for lunch

14:00 IPv6 Lab Module 1a – IPv6 OSPF

15:00 Presentation

“BGP for IPv6”

16:00 IPv6 Lab Module 1c – IPv6 iBGP

16:30 Presentation

“Campus Network Design”

17:30 Close

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

# Agenda – Thursday

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09:00 Presentations

“Layer 2 Technologies”, “BGP Attributes”

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP  
(IPv4)

15:00 Lab Module 6 – iBGP and eBGP  
(IPv6)

16:00 Presentation  
“BGP Policy Control”

17:30 Close

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

# Agenda – Friday

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09:00 Presentations

“BGP Scaling Techniques”, “IPv6 Security”

12:00 Lab Module 7 – Route Filtering

13:00 Break for lunch

14:00 Lab Module 7 (continued)

16:00 Presentation

“BGP Best Practices”

17:00 Extra Topics and Q&A

Configuring Dynamips,...

17:30 End of Workshop

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