

# BGP Workshop



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# Workshop Materials

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- Master archive:

- <http://bgp4all.com/ftp/isp-workshops>
- Please keep this URL open, and download workshop materials as the workshop progresses

# Housekeeping

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- Wireless

- SSID: AIS or AIS-bgn
- Password: success!

# Housekeeping

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- This is a 5 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 – Monday

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09:00 Introductions, Objectives

09:15 Presentations

“Routing Basics”, “Introduction to ISIS”

11:30 Lab Module 1 – Basic ISIS

13:00 Break for Lunch

14:00 Presentations

“ISIS for ISPs”, “Introduction to BGP”

16:30 Lab Module 1 – Basic BGP

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

# Agenda – Tuesday

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09:00 Presentations

“IPv6 Standards and Protocols”, “IPv6 Addressing”,  
“IPv6 Routing Protocols”

11:30 Lab Module 1 – IPv6 ISIS and iBGP

13:00 Break for Lunch

14:00 Presentations

“ISIS for IPv6”, “BGP for IPv6”, “BGP Scaling Techniques”

16:30 Lab Module 3 – BGP Route Reflector  
(Using IPv4 and IPv6)

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

# Agenda – Wednesday

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09:00 Presentations

“BGP Attributes”, “BGP Policy Control”

11:30 Lab Module 6 – iBGP and eBGP

13:00 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP

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16:30 Presentations

“OSPF to ISIS migration”, “BGP Best Practices”

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

# Agenda – Thursday

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09:00 Presentation

“BGP Multihoming (part 1)”

11:30 Lab Module 7 – Route Filtering

13:00 Break for lunch

14:00 Presentation

“BGP Multihoming (part 2)”

16:30 Lab Module 7 – Route Filtering

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

# Agenda – Friday

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09:00 Presentation

“BGP Communities”

11:30 Lab Module 8 – BGP Policies

13:00 Break for lunch

14:00 Presentation

“The Value of Peering”

16:30 Lab Module 8 – BGP Policies

17:45 Extra Topics:

Configuring Dynamips,...

18:00 End of Workshop

(breaks for tea/coffee at 11:00 and 16:00)