BGP Workshop

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AIS 2015
25th – 29th May, 2015

Workshop Materials

- Master archive:
  - http://bgp4all.com/ftp/isp-workshops

  - Please keep this URL open, and download workshop materials as the workshop progresses

Housekeeping

□ Wireless
- ■ SSID: AIS or AIS-bgn
- ■ Password: success!

Housekeeping

- 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

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

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

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
    (continued)

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

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

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)