

IPv4/IPv6 Routing Workshop for ISP



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Workshop Materials

- Archive of this workshop
 - <http://wiki.bdnog.org/doku.php/bdnog8/track1agenda>
 - Download the workshop materials

Housekeeping

- Wireless
 - SSID 1: bdnog8_2g password: bdnog8@jessore
 - SSID 2: SHSTP password: shstp-7890
- Breaks:
 - Just outside of this room
- Lunch:
 - 1st Floor of the dormitory
 - You will need to wear your badge to get lunch
 - No badge = No lunch

Housekeeping

- Time will be well-maintained
- Please Ask Questions
- **No** social media/IM during the class
- Mobile phones **OFF** or on **SILENT** mode
- If you must take calls, please do so **OUTSIDE** the room

Agenda – Saturday

09:30 Introductions, Objectives

09:45 Presentations

“Internet Introduction”, “Routing Basics”

11:00 Tea/Coffee Break

11:30 Lab Module 1– Basic

13:00 Lunch and Prayer Break

14:00 Presentation

“IPv6 Protocol and Structure”, “IPv6 Addressing Plan”

15:30 Tea/Coffee Break

16:00 Lab Module 1– IPv6 Addressing

17:30 Close

Agenda – Sunday

09:30 Presentations

“Introduction to OSPF”, “OSPF for ISP”

11:00 Tea/Coffee Break

11:30 Lab Module 2– OSPF

12:15 Presentations: “IPv6 Routing Protocols”

13:00 Lunch and Prayer Break

14:00 Presentation: “OSPF for IPv6”

14:30 Lab Module 2– OSPFv3

15:00 Presentation: “Introduction to BGP”

15:30 Tea/Coffee Break

16:00 Presentation: “BGP Scaling Techniques”

16:45 Lab Module 3– iBGP

17:30 Close

Agenda – Monday

09:30 Presentations: “BGP for IPv6”

10:15 Lab Module 3– IPv6 iBGP

11:00 Tea/Coffee Break

11:30 Presentations: “BGP Attributes”

12:15 Lab Module 4– eBGP (v4 & v6)

13:00 Lunch and Prayer Break

14:00 Presentation: “BGP Policy Control”

14:30 Lab Module 5– Route Map

15:30 Tea/Coffee Break

16:00 Presentation: “BGP Multihoming Techniques”

17:30 Close

Agenda – Tuesday

09:30 Presentations: “BGP Best Practices”

10:30 Lab Module 6– AS Path Prepend

11:00 Tea/Coffee Break

11:30 Lab Module 7– Local Preference

13:00 Lunch and Prayer Break

14:00 Live Network Discussions

15:30 Tea/Coffee Break

16:00 Closing

Acknowledgement

- Philip Smith, PFS Internet Development
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