

IPv6 Routing Workshop

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Housekeeping

- This is a five day workshop
 - Completion certificates given to those who attend all five days
 - Small exam at the end
- Have fun!
- 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

Housekeeping, ctd...

- IPv6 Workshop wireless network:
 - SSID: MENOG1
 - Password: menog2013
- Workshop Dinner
 - Wednesday 13th March, 19:30-22:00
 - Cruise on Dubai Creek.
 - Buses leaving from this hotel
 - Need attendance numbers today!

Agenda - Day 1, Sunday

09:00 Introductions, Objectives

09:30 Presentations

“Internet Introduction”, “Routing Basics”,

“Introduction to OSPF”, “OSPF for ISPs”

“Introduction to IPv6”

12:30 Break for Lunch

14:00 Lab Module 1 – Basic OSPF & iBGP

17:00 Presentation

“Introduction to BGP”

18:00 Close

30min breaks for tea/coffee at 10:30 and 15:30

90min break for lunch at 12:30

Please be back on time after breaks!

Agenda - Day 2, Monday

09:30 Introductions, Objectives

10:00 Presentations

"IPv6 Standards and Protocols",

"IPv6 Addressing & Routing Protocols"

12:30 Break for Lunch

13:30 Presentations

"OSPFv3", "BGP for IPv6"

15:30 Lab Module 1 – Basic IPv6 OSPF & iBGP

18:00 Close

30min breaks for tea/coffee at 10:30 and 15:30

60min break for lunch at 12:30

Please be back on time after breaks!

Agenda - Day 3, Tuesday

09:00 Presentations, as required

“BGP Scaling Techniques”, “4 Byte ASNs”,

“BGP Attributes”, “BGP Policy Control”,

“BGP BCP”

11:00 Lab Module 6 - IPv6 OSPF, iBGP, and eBGP

12:30 Break for Lunch

13:30

"OSPFv3", “BGP for IPv6”

16:00 Presentations

“IPv4 / IPv6 Coexistence”, “IPv6 Transition”

18:00 Close

30min breaks for tea/coffee at 10:30 and 15:30

60min break for lunch at 12:30

Please be back on time after breaks!

Agenda - Day 4, Wednesday

09:00 Lab Module 7 - Route Filtering and Advanced BGP

11:00 Presentations

"IPv6 Deployment Study"

12:30 Break for Lunch

12:30 Presentations and Labs, depending on time and progress:

IPv6 Security

IPv6 Tunnels Lab

IPv6 IXP Lab

General Q+A

18:00 Close

30min breaks for tea/coffee at 10:30 and 15:30

60min break for lunch at 12:30

Please be back on time after breaks!

Agenda - Day 5, Thursday

09:00 Presentation

“IPv6 Deployment Case Study”

11:00 Lab Module 8 – Multihoming Strategies

12:30 Lunch

14:00 Exam

1600: Lab Module 8 continued

Extra Topics:

Configuring Dynamips, Out of band management,...

30min breaks for tea/coffee at 10:30 and 15:30

90min break for lunch at 12:30

Please be back on time after breaks!

Lab Details

- Local webserver with slides and labs
 - <http://195.229.43.5/workshop>
- To access console of each router, running in Dynamips:
 - `telnet 195.229.43.5 2001` (for router 1 console)
 - `telnet 192.229.43.5 2014` (for router 14 console)
- Only one person can connect to a router console at a time.
- To exit telnet cleanly: `ctrl +]` then quit

Questions?

