

BGP Workshop (IPv4 & IPv6)

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MENOG 9, Muscat
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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

Agenda - Day 1, Sunday

09:00 Introductions, Objectives

09:30 Presentations

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

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

09:00 Presentations

“Introduction to IPv6”, “IPv6 Standards and Protocols”

11:00 Lab Module 1 (finish IPv4 iBGP)

12:00 Presentations

“IPv6 Addressing & Routing Protocols”, “OSPF & BGP for IPv6”

12:30 Break for lunch

14:00 Lab Module 1 – IPv6 OSPF and iBGP

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 3, Tuesday

09:00 Presentation

“BGP Scaling Techniques”

11:00 Lab Module 3 – BGP Route Reflector

12:00 Lab Module 3 – IPv6 BGP Route Reflector

12:30 Break for lunch

14:00 Lab Module 6 – iBGP and eBGP

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 4, Wednesday

09:00 Presentation

“BGP Attributes and Policy Control”

11:00 Lab Module 6 – IPv6 iBGP and eBGP

12:30 Break for lunch

14:00 Lab Module 7 – Route Filtering and Advanced BGP

16:00 Presentations

“BGP Best Practices”

18:00 Close

19:30 Workshop Dinner @ Shiraz

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 5, Thursday

09:00 Presentation

“IPv6 Deployment Case Study”

11:00 Lab Module 8 – Multihoming Strategies

12:30 Official End of Workshop

12:30 Lunch

14:00- Optional

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://192.168.1.2/menog9/>
- To access console of each router, running in Dynamips:
 - telnet 192.168.1.2 2001 (for router 1 console)
 - telnet 192.168.1.2 2014 (for router 14 console)
- Only one person can connect to a router console at a time.
- Exit telnet cleanly: ctrl +] then quit

Questions?

